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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Agency Interest No. 38867
Activity No.: PER20060002

Mr. Jeffrey Baudier
President
Louisiana Generating, LLC
112 Telly St.
New Roads, LA 70760

RE: Part 70 Operating Permit, Louisiana Generating LLC - Big Cajun II Power Plant
Louisiana Generating, LLC, New Roads, Pointe Coupee Parish, Louisiana

Dear Mr. Baudier:

This is to inform you that the permit modification for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2009.

Permit No.: 2260-00012-V1

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary

CSN:CWS
c: EPA Region VI

**AIR PERMIT BRIEFING SHEET
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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

Louisiana Generating LLC - Big Cajun II Power Plant

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Louisiana Generating, LLC

New Roads, Pointe Coupee Parish, Louisiana

I. Background

Louisiana Generating, LLC (LaGen), a subsidiary of NRG Energy, Inc., operates the Big Cajun Power Plant near New Roads, Louisiana, in Pointe Coupee Parish. The Big Cajun II Power Plant, an existing power station, began operation after 1980. Big Cajun II Unit 4, LLC, also a subsidiary of NRG Energy, Inc., was granted approval to construct Boiler No. 4 in Permit No. 2260-00012-V0. This boiler will also be operated by LaGen when completed. The Louisiana Generating LLC - Big Cajun II Power Plant currently operates under Permit Nos. 2260-00012-V0 and 2260-00012-IV2, issued August 22, 2005.

This is a modification to the Part 70 operating permit for the facility and includes provisions for the Acid Rain permit, Permit No. 2260-00012-IV2, and the Clean Air Interstate Rule permit, Permit No. 2260-00012-IR0. It also includes provision of the Prevention of Significant Deterioration permit, Permit No. PSD-LA-677(M-1), issued December 15, 2008. This modification incorporates a case-by-case determination of Maximum Achievable Control Technology (MACT) for the new pulverized coal boiler No. 4 (EQT021) in accordance with Section 112(g) of the Clean Air Act.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Louisiana Generating, LLC on April 28, 2006, requesting a Part 70 operating permit modification. Additional information dated June 28, July 13, July 21, August 28, September 12, September 22, September 28, October 2, October 6, October 23, November 8, November 29, 2006, June 20, 2007, January 16, December 18, 2008, February 25, and April 17, 2009, was also received.

III. Description

The Big Cajun II Power Plant is currently comprised of three 575 megawatt (MW) pulverized coal (PC) boilers. Each boiler is fired by low-sulfur, Powder River Basin (PRB) subbituminous coal. These boilers are owned and operated by LaGen and began operation in the early 1980's. Boilers 1 through 3 are each rated at 6,420 MM BTU/hr and can potentially fire 3,440,548 tons of coal per year each. Boiler No. 4, or the Unit 4 PC boiler, is a proposed nominal 705 MW pulverized coal boiler.

The Unit 4 PC boiler had been designed to operate with low sulfur subbituminous coal from the Powder River Basin. In response to both facility reliability and economic considerations of future fuel availability, Big Cajun II Unit 4, LLC, has amended the plan for the Big Cajun II Unit 4 Project to include a second fuel supply: high-sulfur bituminous coal.

Based on the design firing rate of the Unit 4 PC boiler (6,566 MMBtu/hr), and the worst-case heating value of PRB coal (8,000 Btu/lb) and high-sulfur bituminous coal (10,641 Btu/lb), the Unit 4 PC boiler can potentially fire 3,595,000 tons/yr of PRB coal or 2,703,000 tons/yr

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of bituminous coal. Therefore, the potential coal usage rate for the entire Big Cajun II Power Plant will be approximately 13,916,644 tons per year following the start-up of Unit 4. Big Cajun II's boilers are also permitted to burn diesel for startup purposes.

Description of Unit 4 Power Cycle and Combustion Operations

From the power generation cycle perspective, the following is a simplified description of the principles of operation of a PC power plant. Coal is reduced to a fine powder, mixed with an appropriate amount of air, and combusted in a steam generator. The steam generator is often referred to as the boiler. The energy produced during the combustion process heats water which circulates in the steam generator tubes and converts the water to steam. The steam is heated further and transported from the steam generator to the steam turbine, where, as it passes through a series of fixed and rotating vanes, the steam causes the turbine to rotate at a controlled speed. The rotating turbine provides the mechanical motive energy to the directly coupled generator, which converts the mechanical energy into electrical energy.

In the condenser, the turbine exhaust steam is condensed back into water as heat is indirectly transferred from the steam to cooling water that is circulated through the condenser tubes. The steam condensate exits the condenser and is returned back to the boiler and the steam cycle repeats. The heated cooling water leaving the condenser is transported to a cooling tower, which rejects the heat to the atmosphere through latent and sensible heat exchange caused by bringing the water into direct contact with air. The cooled cooling water is collected in a basin at the bottom of the tower, where the circulating water pumps provide motive force to transport the water through the condenser and back to the tower as the cooling water cycle repeats.

From an air pollution control perspective, the major source of air pollutants is the flue gas from the PC boiler. A description of the Unit 4 flue gas treatment for air pollution control purposes is presented as follows.

Flue gas from the Unit 4 PC boiler will first be routed through a selective catalytic reduction (SCR) unit where, with the addition of ammonia and the presence of a catalyst, a large portion of NO_x from the combustion process will be converted to nitrogen and water. In addition to SCR, the steam generator will be equipped with low-NO_x burners (LNB) to reduce NO_x formation in the combustion process. Because SCR requires a fairly high temperature to operate effectively, the SCR unit will be installed in the back pass of the boiler upstream of the air heater. Ammonia slip, or excess unreacted ammonia, will be limited to 2 ppmv in the flue gas that exits the stack.

The hot flue gases next pass through an air preheater, where the flue gas indirectly heats combustion air that is headed either directly to the PC boiler or to the coal pulverizers to pneumatically transport the pulverized coal to the PC boiler. Atmospheric air is supplied to the air preheater by the forced draft fans.

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A sorbent injection system will be used to control mercury emissions which result from combustion of the fuel. A material that will absorb mercury, potentially activated carbon, will be injected into the flue gas stream. This material will absorb mercury in the gas stream. In a similar fashion, a second sorbent will be injected into the gas stream in order to reduce the concentration of sulfur trioxide (SO_3), a precursor to sulfuric acid mist. This will be added both to control sulfuric acid mist emissions and as a protection for the baghouse bags to prevent corrosion and extend bag life. The flue gases are then routed to the next control device: the baghouse. The ash, sorbents, and other particulate matter suspended in the flue gas stream will be collected in baghouse fabric filter modules. In the baghouse, particulate matter collects on the filter bags as the gas passes through. The collected PM forms a cake in the bags, which enhances the filter efficiency. Periodically, the bags are cleaned by reverse air deflation, shaking, or air pulsing. The particulate matter cleaned from the bags falls into hoppers below the filter bags.

A Wet Flue Gas Desulfurization (Wet FGD) system will be installed after the baghouse to remove SO_2 from the flue gases. In a Wet FGD, the flue gas enters a large vessel (spray tower or absorber), where it is sprayed with water slurry containing approximately 15 to 20 percent limestone. The calcium in the slurry reacts with the SO_2 to form calcium sulfite (CaSO_3) or calcium sulfate (CaSO_4). Compressed air is injected into the slurry to oxidize calcium sulfite to calcium sulfate or gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$). A portion of the slurry from the reaction tank is pumped to a set of hydrocyclones to concentrate the slurry from 15 to 20 percent to approximately 50 percent solids. The hydrocyclone underflow with 50 percent solids is further dewatered in a belt filter to a gypsum product with 10 to 15 percent moisture. Hydrocyclone overflow with fine gypsum crystals and unreacted limestone is returned to the absorber for further reaction. Gypsum product from belt filter discharge is by belt conveyors to gypsum storage for sale or disposal.

By controlling the gypsum quality in the dewatering step, wallboard-grade gypsum can be produced. Almost all Wet FGD systems in the United States in recent years use limestone with forced oxidation to produce commercial grade or disposal grade gypsum depending on local market for gypsum.

Following the FGD system, the flue gases are routed to the main stack. The stack will be equipped with Continuous Emissions Monitoring Systems (CEMS).

Material Handling

Coal Processing Operations

Big Cajun II currently receives all coal through a barge unloading facility. To allow the diversification of the coal supply to the facility, the Unit 4 project includes a new rail spur, a potential new coal unloading facility for railcars, and new coal conveyors and ancillary facilities needed to convey coal from the rail car unloading facility to the new coal storage piles. For maximum operational flexibility, Big Cajun II is seeking to permit the entire potential annual coal usage such that the entire throughput could occur through either the barge unloading operation or the railcar unloading operation. The existing barge unloading

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system and associated conveyors, which feed the existing coal piles, are currently sized and permitted to handle the additional throughput of the Unit 4 project. The Big Cajun II Power Plant currently has two existing coal piles – an east pile and a west pile.

Coal is received by barge on the Mississippi River and transferred, via bucket elevator, to Conveyor BC1. From here, the fuel is routed through Transfer Towers T1, T2, and T3 on conveyors BC2 and BC3. From Transfer Tower T3 the fuel is then diverted to the appropriate systems. Coal bound for the east storage pile is diverted onto Conveyor BC4 for transport to the pile. Coal bound for the west pile is diverted onto Conveyor BC4 for transport to the pile or is transferred onto Conveyor BC13 to Transfer Tower T8 and then diverted onto Conveyor BC16 and deposited onto the west coal pile. Reclaim activities differ depending from which pile the coal is being reclaimed. From the east or west pile, coal is transferred via Conveyor BC4A/B to Transfer Tower T4. Alternatively, from the west coal pile, material may be transferred onto Conveyor BC15 to Transfer Tower T8 and then on Conveyor BC14 to Transfer Tower T4. Once the coal is in Transfer Tower T4, it is crushed and moved via Conveyor BC5A/B to the tripper deck for Units 1 and 2. Material can be diverted within the Units 1 and 2 tripper deck to Unit 3 via a totally enclosed conveyor.

In order to transport coal to the new storage piles from the barge, several new conveyors will be added. A new conveyor (BC28) will move coal from the existing Transfer Tower T8 to Transfer Tower T20. From T20, coal can follow several process paths. In order to be deposited on the main storage piles, it is transferred onto Conveyor BC22 where it is then deposited into the appropriate storage pile.¹ If due to some emergency condition BC22 or the stacker system is not in operation, the coal can be diverted from T20 to an emergency storage pile via conveyor BC21. From Conveyor BC21, it will be transferred onto the emergency storage pile through a telescoping chute to control emissions. As this is an emergency pile, Big Cajun II Unit 4, LLC, does not intend to utilize this system on a regular basis.

In addition, in order to control particulate matter emissions from some of the existing transfer points, LaGen will install some additional controls. On the existing transfer points T1, T1A, T2, and T3, LaGen is planning to install “spoon chutes.” These devices act as paths for the fuel to follow and do not allow the fuel to be in free fall. This has the effect of greatly reducing the particulate matter emissions, and the manufacturer estimates that the emissions can be reduced by 98.5 percent. In addition, the baghouse that was previously in use at the barge unloading operations will be re-activated. This will capture and control the vast majority of particulate matter emissions from the unloading operations. It is estimated that the new baghouse will reduce particulate matter emissions by at least 90 percent.

¹ As Big Cajun II Unit 4 will have the ability to burn either PRB or eastern bituminous coal, the fuel must be kept in separate piles. The new stacker/reclaim system that is being developed and permitted for this project will have the ability to deposit the fuel in the appropriate pile. In addition, both types of coal will have an active and a reserve pile. Currently planning is for limited use of the reserve storage piles.

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For rail delivery of coal the following methodology will be used to transport coal to the new storage piles. Railcars containing coal will be positioned within a building, and the car will be rotated to dump the coal into receiving hoppers. From the receiving hoppers, the coal will be transported via Conveyor BC20 to Transfer Tower T20. From T20, the coal will be diverted, as described above, to the appropriate storage pile or to the emergency pile.

For reclaim operations, three different independent systems are planned. For all normal operations, the coal in the appropriate storage pile (bituminous or subbituminous) will be reclaimed via a portal reclaimer. A portal reclaimer is a system by which the coal is slowly pulled off of the storage pile via a "scooping" type of system and deposited onto Conveyor BC29 for transport to Transfer Tower T20. If for some reason the portal reclaimer or BC29 are experiencing a malfunction, coal can be reclaimed from the piles via an emergency reclaim system. The appropriate coal will be directed to a Stamler reclaim feeder by a bulldozer. The Stamler feeder will deposit the coal via Conveyors BC32 A/B onto Conveyor BC31 which will transfer the coal to T20. If the coal was diverted to the emergency storage pile, it can be transferred into a hopper which deposits the coal onto Conveyor BC24. Conveyor BC24 will move the coal to the Unit 4 crusher tower, T22.

Any coal that is reclaimed into Transfer Tower T20 is then transferred via Conveyor BC23 to the Unit 4 Crusher Tower T22. Here, the coal is fed to surge bins and to one of two crushers to break the coal down into smaller pieces. The coal is then deposited onto Conveyor BC26A/B and transported to the Unit 4 plant Transfer Tower T23. The coal is then transferred internally to pulverizers and silos where it is stored prior to being fed to the Unit 4 boiler.

From an air pollution control perspective, all Unit 4 coal conveyors will be covered to reduce the release of PM emissions. PM emissions from all Unit 4 transfer towers, including the primary coal crusher, will be captured and controlled by baghouse dust collectors. Wetting agents will be used on the coal piles and other locations, as necessary, to prevent the release of fugitive coal dust emissions. No air emissions are generated from coal pulverization because the coal from this operation is pneumatically conveyed directly to the PC boiler where combustion takes place.

Ash Processing Operations

Two types of ash will be generated by Unit 4: fly ash and bottom ash. Fly ash will be collected from the economizer outlet hopper, the air heater outlet hopper, and the main fabric filter hoppers. The fly ash system will be an enclosed pneumatic conveying system that takes the ash from the hoppers and conveys it to two collection silos. The fly ash collection silos are equipped with baghouses for PM control. Fly ash from the silo will either be directly sold as a product and hauled away by truck, or trucked to the on-site storage area.

Fly ash truck loading and transport operations are designed to minimize PM emissions. For ash that is intended for off-site consumption, all emissions from truck loading operations will be captured and routed to the baghouse dust collection system associated with the hopper that

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is being emptied. Big Cajun II operates a road wetting truck to minimize emissions from truck traffic within the plant. If the ash is shipped to the on-site storage area, it will be conditioned to achieve approximately 12 percent moisture content prior to loading it into trucks. This will greatly reduce the emissions from this operation and will minimize the unloading emissions at the on-site storage pond.

Bottom ash will be collected from the furnace bottom ash hopper. Bottom ash from the furnace is removed by a water sluice system that transports the bottom ash in an enclosed piping system to a truck loading area. The bottom ash has a consistency of wet sand, and is deposited directly into trucks for shipment to off-site consumers or to the bottom ash pond. Since the bottom ash is handled wet in an enclosed system, there is virtually no potential for air emissions from bottom ash processing operations.

Limestone Processing Operations

The limestone for the Wet FGD system will be supplied to the plant primarily by railcar. Limestone in railcars will be brought to an unloading system that is completely separate from the coal railcar unloading system. The limestone will be removed from the railcars via a bottom dump into a receiving hopper. Emissions arising from the unloading operations will be controlled through the use of a water suppression system. From the hopper, the material is fed onto a primary conveyor (Conveyor BC34) that transports it to the Limestone Transfer Tower, where emissions are controlled by controlled flow chutes and a dry fogging system. The limestone then moves on Conveyor BC35 to a telescoping chute where it is deposited on the limestone storage pile. The pile is watered as needed to control fugitive emissions.

Limestone is reclaimed as needed in one of two Stamler feeders and conveyed via BC36 to limestone day bins. The transfer of the material from the conveyor into the day bins is controlled by a dust collector as the bins are located within the reagent preparation building. Within the building, limestone is crushed in a wet ball mill and mixed into a slurry in preparation for its delivery to the Wet FGD system. There are no emissions from the crushing or slurry system as it is entirely self contained and done in a wet environment.

In case of emergencies, a backup system whereby limestone can be delivered to the facility via trucks is also planned. Limestone would be brought onsite by trucks and deposited in an area near the limestone railcar unloading system. From here, bulldozers will move the limestone as needed to a Stamler feeder reclaim where the limestone will be transferred to Conveyor BC34 and then through the rest of the limestone system as described above.

Gypsum Processing Operations

Gypsum is produced in the Wet FGD system as a by-product of the SO₂ removal from the flue gas stream. The gypsum has a high moisture content (10-11 percent) and is transferred to the gypsum dewatering building where excess water is removed from the material and recycled into the Wet FGD system. The gypsum still has a high moisture content and is moved via conveyor to outdoor storage piles. The material is loaded onto trucks, as needed

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for transport to off-site customers or to the on-site landfill. In the event of a problem with the gypsum stack-out system, the gypsum can be kept inside of the dewatering building and removed via truck in that manner.

There are few emissions associated with the gypsum system. The material has high moisture content, and therefore has few particulate matter emissions. The conveyor transfer points have been identified in order to provide potential emission sources. However, due to the high material moisture content, emissions from these sources should be insignificant.

Sorbent Operations

For Big Cajun II's Unit 4, two sorbent injections systems are proposed. In order to reduce mercury from the flue gas stream, a dry sorbent, potentially powdered activated carbon (PAC), will be injected into the gas stream. PAC is a fine powdery substance and is a potential particulate matter emission source. Big Cajun II will utilize PAC as a sorbent injection to control mercury emissions. The material is trucked on-site and transferred into a silo using a pneumatic system. Emissions would be controlled through the use of a high efficiency filtration system, which would reduce emissions by at least 99 percent.

An alternative means of maintaining mercury control other than PAC may be substituted with the prior approval of the Louisiana Department of Environmental Quality. The alternative must control mercury to the limits set through the case-by-case MACT analysis.

A second sorbent system will be utilized to reduce sulfuric acid mist in the gas stream prior to the baghouse. The second sorbent system does not actively control the outlet sulfuric acid mist emission rate as much as to reduce bag corrosion and extend bag life. A dry alkaline sorbent will be injected into the gas stream. This sorbent will be a fine powdery substance and is a potential particulate matter emission source. The material for the dry alkaline sorbent system would be trucked on-site and transferred into a silo using a pneumatic system. Emissions would be controlled through the use of a high efficiency filtration system, which would reduce emissions by at least 99 percent.

Cooling Tower

Unit 4 includes a cycle heat rejection system that uses a condenser and a dedicated new conventional counter flow mechanical draft wet cooling tower. Steam from the steam turbine exhaust is condensed by indirect cooling from circulating cooling water. The circulating water is then cooled by the cooling tower. The warm circulating cooling water from the steam condenser flows downward through the cooling tower in counter flow to an upward current of air induced by the cooling tower fans. The cooled water is collected in a basin at the bottom of the cooling tower. This basin is the supply point for the closed loop circulating water system. Circulating water is pumped from the cooling tower basin through the steam condenser and back to the water distribution system at the top of the cooling tower. The water is cooled by evaporation and sensible heat transfer as it flows down through the cooling tower.

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Emissions of PM can be realized from cooling tower operations when drift (small water droplets) escape the cooling tower. As the cooling tower drift evaporates, any Total Dissolved Solids (TDS) in the drift will become PM emissions. As discussed in Part 4, Best Available Control Technology (BACT), PM emissions from the cooling tower are minimized by using a mechanical drift eliminator that keeps drift to 0.002 percent of the circulating water rate. The TDS level in the circulating cooling water is kept to approximately 1,200 ppmw by maintaining a cooling water blowdown discharge which will be utilized as makeup to the Wet FGD or sent to the Big Cajun II LPDES wastewater treatment system. Makeup water to the cooling tower is obtained from the Mississippi River.

Big Cajun II Unit 4 Project

Under the provisions of Permit Nos. 2260-00012-V0 and PSD-LA-677, the Unit 4 PC boiler had been designed to operate with low sulfur subbituminous coal from the Powder River Basin (PRB). In response to both facility reliability and economic considerations of future fuel availability, Big Cajun II has amended the plan for the Big Cajun II Unit 4 Project to include a second fuel supply: high-sulfur bituminous coal. The Big Cajun II Unit 4 Project design, including the air pollution control technologies, is being revised to utilize both fuels separately and blended. The vast majority of air pollution control equipment will remain as specified in PSD-LA-677. However, because of the inherent differences in the two coals, modifications to BACT and the Part 70 permit are required. The Unit 4 PC boiler will be supported by other new emission sources for material handling and transfer of fuel and limestone including barge unloading operations, conveyors, storage piles, and mobile heavy equipment operation over paved and unpaved roads.

PSD-LA-677(M-1), issued December 15, 2008, authorized the use of two coals that have both common and uncommon pollution parameters in the Big Cajun II Unit 4 project. The PRB or low-sulfur subbituminous coals have a modest heat content but low sulfur and ash contents. The high-sulfur coal, although similar in some respects to the low-sulfur coal, has a significantly higher heat content, which partially compensates for higher sulfur and ash contents.

Comparison of Emission Potential Low-Sulfur vs. High-Sulfur Coal

Emission Precursor Coal Element	Low-Sulfur Coal (PRB)		High-Sulfur Coal (Illinois)	
	Percent	Lb Element/ MM BTU	Percent	Lb Element/ MM BTU
Ash	8.50	10.63	10.2	9.27
Sulfur	0.50	0.625	3.50	3.18
Heat Content (As Received)	8,000 BTU/lb (As Received)	-	11,004 BTU/lb (As Received)	-

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The inclusion of high sulfur coals in the fuel mix for Big Cajun II Unit 4 had a significant effect on the emissions for which BACT had to be demonstrated. The high-sulfur coal was the critical fuel for BACT selection and design of the PM/PM₁₀, SO₂, and Sulfuric acid mist (H₂SO₄ mist), control systems. For these pollutants, a revised BACT demonstration was required.

Other pollutant emissions, including NO_x, CO, Beryllium, and Mercury, should not change significantly as a result of the coal characteristics. For these pollutants, with the exception of mercury, the low-sulfur coal remained the critical fuel for BACT selection and design. For VOC, updated design information indicated that the permitted BACT technology, Combustion Control, was capable of maintaining VOC emissions less than 0.0034 lb/MMBtu rather than the originally permitted 0.015 lb/MMBtu.

Lead and fluorine concentrations in coal can vary significantly, even within the same supply region. Big Cajun II Unit 4, LLC reviewed fluorine concentration data from coals in Wyoming (the primary supply region for PRB coal) and the Illinois Basin (primary supply region for high-sulfur bituminous coal) that are provided by the United States Geological Service (USGS). These data indicated a range of fluorine concentrations from 14 to 4,000 ppmw for Wyoming coals and from 13 to 700 ppmw for Illinois Basin coals. Although this reflects wide uncertainty, it is possible that the high-sulfur bituminous coal will be design critical for fluorine.

Estimated emissions increases due to the project in tons per year (TPY) are as follows:

Pollutant	Emission Rate Increase (TPY)	PSD de Minimus (TPY)	Review Required
PM/PM ₁₀ (filterable)	401.3 *	25/15	Yes
SO ₂	2,876	40	Yes
NO _x	2,013	40	Yes
CO	3,883	100	Yes
VOC	97.8	40	Yes
H ₂ SO ₄ mist	215.7	7	Yes
Lead	0.18 *	0.6	No
Fluorides	12.65 *	3.0	Yes

* Estimated emissions increases have been reduced after determination of Case-by-Case MACT.

A comparison of the controlled potential to emit and the respective PSD significance levels for PM/PM₁₀, SO₂, NO_x, CO, VOC, H₂SO₄ mist, and fluoride emissions, associated with the Big Cajun II Unit 4 Project, indicated that all but lead were greater than their PSD significance levels and were subject to BACT review.

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The “top-down” approach was used in this analysis to evaluate available pollution controls of PM/PM₁₀, SO₂, NO_x, CO, H₂SO₄ mist, and fluoride emissions for the Big Cajun II Unit 4 Project. To account for the proposed modification to use two coal types, Big Cajun II performed the BACT analysis based on available data for both fuels; low-sulfur subbituminous coal and high-sulfur bituminous coal. The combustion of low- and high-sulfur coals resulted in different emission limits for the PSD pollutants of concern. Therefore, for each pollutant, Big Cajun II identified the technology (and corresponding emission limit) that met the BACT requirements while allowing for the desired flexibility in the combustion feedstock. In other words, BACT may not have necessarily correlated to the lowest identified emission limit for all fuel types, but provided the emission limit for the most difficult to control fuel source. The selection of BACT was based on a “top down” approach and included consideration of control of toxic materials. A more thorough discussion of the BACT selection process can be found in PSD-LA-677(M-1), issued December 15, 2008.

Big Cajun II is also subject to the provisions of the Acid Rain Program under 40 CFR Part 72 and LAC 33:III.505.

Startup/Shutdown emissions for the Big Cajun II Power Plant have been included into this permit modification for the boilers. In order to minimize air emissions during start-up operations, the permittee shall fire distillate fuel oil during start-up to raise the temperature within the combustion chamber of the PC steam generator to a point where the emissions from the combustion of the solid fuel source can be controlled shortly after its introduction by the inherent features of the PC technology and the add-on controls for the boiler. The maximum lb/hr rate provided in the permit for the three existing boilers, EQT027, 2B1 - Boiler No. 1, EQT028, 2B2 - Boiler No. 2, and EQT029, 2B3 - Boiler No. 3, included startup/shutdown operations.

Emissions from normal and start-up/shut-down operations for 15-01 – Boiler No. 4(2B4) are displayed as scenarios in the Part 70 permit modification and PSD permit. Under EQT021, 15-01 – Boiler No. 4(2B4), only the annual emissions are displayed in the sections “Emission Rates for Criteria Pollutants” and “Emission Rates for TAP/HAP & Other Pollutants.” The emissions listed under EQT021 represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations over 8,760 hours per year. The permittee can select which of the three scenarios to operate under without exceeding the maximum PTE.

Scenario 1 provides the Maximum (lb/hr) emissions for startup/shutdown operations occurring under a ‘cold’ startup. A cold startup is defined as when the turbine metal temperature in the first stage has dropped to less than 300 degrees F. A cold startup requires an extended period to warm and evenly heat the turbine when starting up and build pressure slowly to avoid damaging the machine (referred to as Prewarm). Scenario 2 provides the Maximum (lb/hr) emissions for startup/shutdown operations occurring under a ‘hot’ startup. A hot start up is defined as the turbine metal temperature in the first stage is greater than 300

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degrees F. Hot startup requires no Prewarm. Big Cajun II must monitor and maintain the water quality in the boiler, which must be within certain limits as pressure is increased. This is to prevent carryover of potential contaminants in the steam to the turbine. Scenario 3 provides the Average (lb/hr), Maximum (lb/hr), and Annual (TPY) emissions for EQT021, 15-01 – Boiler No. 4(2B4), occurring under normal operations of the boiler over 8,760 hours per year. Start-up/shut-down emissions are not included in Scenario 3.

Existing sources at the Big Cajun II Unit 4 Power plant which remain unchanged by the modification include Boilers No. 1, No. 2, and No. 3; Unit 1 & Unit 2 Bunker Room; Unit 3 East and West Bunker Room; and Fly Ash Handling Emissions. Operations at Cooling Towers No. 1 and No. 2 also remain unchanged. Other existing sources at the power plant have been modified, redesignated, or removed from the proposal.

Estimated emissions in tons per year are as follows:

Pollutant	Before	After	Change
PM ₁₀	9,099.5	8,638.42	- 461.02
SO ₂	101,179.2	101,183.03	+ 3.83
NO _x	19,730.4	19,751.59	+ 21.19
CO	50,815.8	50,820.57	+ 4.77
VOC *	740.8	407.96	- 332.84

*** VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Acetaldehyde	-	1.02	+ 1.02
Acrolein	-	0.520	+ 0.520
Benzene	9.0	8.94	- 0.06
Biphenyl	-	< 0.01	+ < 0.01
Carbon Disulfide	-	0.23	+ 0.23
Chlorobenzene	-	0.039	+ 0.039
Chloroethane	-	0.08	+ 0.08
Chloroform	-	0.11	+ 0.11
Cumene	-	0.01	+ 0.01
1,2-Dibromoethane	-	0.002	+ 0.002
1,2-Dichloroethane	-	0.072	+ 0.072
Ethyl benzene	-	0.17	+ 0.17
Formaldehyde	1.7	1.822	+ 0.122
Methyl chloride	-	0.95	+ 0.95
Methyl ethyl ketone	-	0.70	+ 0.70
n-Hexane	-	0.12	+ 0.12
Naphthalene	-	0.02	+ 0.02
Phenol	-	0.03	+ 0.03
Polynuclear Aromatic Hydrocarbons	-	0.087	+ 0.087

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*** VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

Pollutant	Before	After	Change
Polynuclear Aromatic Hydrocarbons	-	0.087	+ 0.087
Propionaldehyde	-	0.68	+ 0.68
Styrene	-	0.05	+ 0.05
1,1,2,2-Tetrachloroethane	-	0.08	+ 0.08
Toluene	-	0.43	+ 0.43
Vinyl Acetate	-	0.01	+ 0.01
Xylene (mixed isomers)	-	0.07	+ 0.07
Total	10.7	16.24	

*** Other VOC (TPY):** 391.72

Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Ammonia	50.0	53.64	+ 3.64
Antimony (and compounds)	0.02	0.028	+ 0.008
Arsenic (and compounds)	0.23	0.454	+ 0.224
Barium (and compounds)	32.1	33.010	+ 0.91
Beryllium (Table 51.1)	0.03	0.051	+ 0.021
Cadmium (and compounds)	0.01	0.028	+ 0.018
Chlorine	1.5	0.15	- 1.35
Chromium VI (and compounds)	0.46	0.670	+ 0.21
Copper (and compounds)	1.1	1.108	+ 0.008
Dichloromethane	-	0.52	+ 0.52
Hydrazine	-	< 0.001	+ < 0.001
Hydrochloric Acid	1,180.0	1,259.40	+ 79.40
Hydrofluoric Acid	226.4	238.25	+ 11.85
Hydrogen Cyanide	-	4.49	+ 4.49
Manganese (and compounds)	2.3	2.97	+ 0.67
Mercury (and compounds)	0.69	0.669	- 0.021
Nickel (and compounds)	0.46	2.063	+ 1.603
Selenium (and compounds)	0.12	1.102	+ 0.982
Sulfuric Acid	38.7	254.40	+ 215.7
1,1,1-Trichloroethane	-	0.04	+ 0.04
Zinc (and compounds)	1.0	1.52	+ 0.52
Total	1,535.12	1,854.563	

LAC 33:III Chapter 51 Supplemental Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Acetophenone	-	0.03	+ 0.03
Benzyl Chloride	-	1.26	+ 1.26
Bromoform	-	0.07	+ 0.07
Cobalt compounds	0.23	0.33	+ 0.10

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LAC 33:III Chapter 51 Supplemental Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Dimethyl sulfate	-	0.09	+ 0.09
Isophorone	-	1.04	+ 1.04
Lead compounds	0.23	0.39	+ 0.16
Methyl Bromide	-	0.29	+ 0.29
Methyl Tertiary Butyl Ether	-	0.06	+ 0.06
Total	0.46	3.57	

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and Prevention of Significant Deterioration (PSD). New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) apply to this facility.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Per LAC 33:III.5105.B.2, the electric utility steam generating units: EQT021, 15-01 – Boiler No. 4(2B4); EQT027, 2B1 – Boiler No. 1; EQT028, 2B2 – Boiler No. 2; EQT029, 2B3 – Boiler No. 3, are currently exempt from the requirements of Subchapter A of LAC 33:III.Chapter 51. However, ammonia emissions from the Selective Catalyst Reduction (SCR) system on Boiler No. 4(2B4) are regulated under LAC 33:III.Chapter 51.

Big Cajun II Unit 4 conducted a modeling analysis of Toxic Air Pollutants (TAPs) with both chronic effects, (e.g., carcinogenic, such as benzene) and acute effects (such as ammonia). The modeled results were compared to 7.5 percent of the standard in LAC 33:III.Chapter 51.Table 2 at all off property receptors. For all TAPs, it was determined that none of the off-site impacts exceeded 7.5 percent of the standard, and no further modeling was required. Also, the selection of control technology based on the BACT analysis included consideration of control of toxic emissions.

The Big Cajun II Power Plant is subject to the following NSPS and NESHAP regulations:

- NSPS – Subpart D – Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971
- NSPS – Subpart Da – Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978
- NSPS – Subpart Y – Standards of Performance for Coal Preparation Plants
- NSPS – Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants
- NESHAP – Subpart M - National Emission Standard for Asbestos

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CAIR

The U.S. Court of Appeals for the D.C. Circuit on December 23, 2008 decided to remand to EPA without vacatur the Clean Air Interstate Rule (CAIR). CAIR remains in effect until it is replaced by a rule that remedies the flaws identified by the court in its July 11, 2008 opinion.

Case-by-Case MACT

The new boiler, EQT021, 15-01 – Boiler No. 4(2B4), is subject to a case-by-case determination of Maximum Achievable Control Technology (MACT) in accordance with Section 112(g) of the Clean Air Act. The Hazardous Air Pollutants (HAPs) emitted from this source were divided into four groups: mercury, acid gases (including hydrochloric acid and hydrofluoric acid), organic HAPs, and metallic HAPs.

A review was conducted that compared the proposed pulverized coal boiler, EQT021, to other similar projects that have been permitted across the United States of America as well as other technical data. The information from the comparison was used to establish a MACT Floor, which is the emission control achieved in practice by the best controlled similar source. Upon determination of the MACT Floor, a 'beyond the floor' analysis was performed to determine the possibility of emissions control that would be more stringent than the MACT Floor. Emissions controls that are more stringent than the MACT Floor and that are consistent with the definition of MACT have been incorporated into this MACT determination.

MACT for emissions of mercury has been determined to be the use of a combination of Selective Catalytic Reduction (SCR), sorbent injection (powdered activated carbon), fabric filters, and wet flue gas desulfurization (FGD). MACT for emissions of non-mercury metallic HAP metals has been determined to be the control of filterable particulate matter, as a surrogate, through the use of the fabric filters. MACT for emissions of acid gases (including hydrochloric acid and hydrofluoric acid) has been determined to be the use of a wet flue gas desulfurization. MACT for emissions of organic HAPs is determined to be the control of carbon monoxide, as a surrogate, through the use of good combustion practices.

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The emissions limitations imposed by the above referenced MACT determination are summarized below:

Pollutant	Limitation	Averaging Period	Applies when firing ...
Mercury	0.015 lb/GWh	12 month rolling avg.	Subbituminous coal
	0.0075 lb/GWh	12 month rolling avg.	Bituminous coal
Metallic HAPs *	0.012 lb PM/MM BTU	Avg. of three 1 hr. tests	All fuels
Hydrochloric Acid	0.0029 lb/MM BTU	Avg. of three 1 hr. tests	Subbituminous coal
	0.0024 lb/MM BTU	Avg. of three 1 hr. tests	Bituminous coal
Hydrofluoric acid	0.00044 lb/MM BTU	Avg. of three 1 hr. tests	Subbituminous coal
	0.0003 lb/MM BTU	Avg. of three 1 hr. tests	Bituminous coal
Organic HAPs**	0.135 lb CO/MM BTU	30 day rolling avg.	All fuels

- * Control of particulate matter (PM) is approved as a surrogate for control of metallic HAPs. Metallic HAPs are a subset of total PM. Any technology that controls PM will also control metallic HAPs. A reduction in PM emissions will translate to a reduction in metallic HAP emissions.
- ** Control of carbon monoxide (CO) is approved as a surrogate for control of organic HAPs. This approval was made because both CO and organic HAPs are products of incomplete combustion. A reduction in CO will indicate more complete combustion, which will translate to a reduction in organic HAP emissions.

The monitoring requirements imposed by the above referenced MACT determination are summarized below:

Pollutant	Monitoring conducted using ...
Mercury	Mercury Continuous Emissions Monitoring System (CEMS)
Metallic HAPs	Monitoring Requirements of 40 CFR 64, Stack Tests every 5 years
Hydrochloric acid	Annual Stack Test
Hydrofluoric acid	Annual Stack Test
Organic HAPs	Carbon Monoxide Continuous Emissions Monitoring System (CEMS)

All requirements imposed in accordance with Section 112(g) of the Clean Air Act can be found in the Specific Requirements section of this permit under the group entitled CRG0001 – MACT Requirements for EQT021, 15-01 – Boiler No. 4(2B4).

This case-by-case MACT determination could be revised in the future under 40 CFR 63.44(b) if the administrator promulgates an emission standard under section 112(d) or section 112(h) of the Clean Air Act which is more stringent than the case-by-case MACT determination set out in this permit for EQT021. If the level of control proposed in any promulgated standard is

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less stringent than the case-by-case MACT determination set out in this permit for EQT021, then the emission limitations of the case-by-case MACT remain applicable.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, Louisiana, on December 14, 2006; and in the *The Pointe Coupee Banner*, New Roads, Louisiana, on December 14, 2006. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on December 11, 2006. The proposed permit was also submitted to US EPA Region VI on December 14, 2006. A public hearing was held on the proposed permit on January 18, 2007, in New Roads, Louisiana. No comments from the public were received at the January 18, 2007 hearing. Comments from the Environmental Protection Agency and the Federal Land Manager were received. LDEQ responded to these comments by letter on May 6, June 16, and August 4, 2008.

The proposed permit constitutes a Notice of MACT Approval in accordance with 40 CFR 63.43(g). The permits noticed in December 2006 included modifications to the Part 70 permit, the PSD permit, and the Acid Rain permit.

A notice requesting public comment on this permit was published in *The Advocate*, Baton Rouge, Louisiana, on MONTH XX, 2009; and in the *The Pointe Coupee Banner*, New Roads, Louisiana, on MONTH XX, 2009. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on MONTH XX, 2009. The proposed permit was also submitted to US EPA Region VI on MONTH XX, 2009. A public hearing was held on the proposed permit on MONTH XX, 2009, in New Roads, Louisiana. All comments from the public will be considered prior to permit issuance.

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VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration		Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard (NAAQS))	
		μg/m³	μg/m³	(150 μg/m³)	(50 μg/m³)
PM₁₀	24-hour	22.45	μg/m³	(150 μg/m³)	μg/m³
	Annual	5.79	μg/m³	(50 μg/m³)	μg/m³
SO₂	3-hour	105.4	μg/m³	(1,300 μg/m³)	μg/m³
	24-hour	28.14	μg/m³	(365 μg/m³)	μg/m³
NO_x	Annual	0.31	μg/m³	(80 μg/m³)	μg/m³
	Annual	0.16	μg/m³	(100 μg/m³)	μg/m³
CO	1-hour	266.5	μg/m³	(10,000 μg/m³)	μg/m³
	8-hour	84.57	μg/m³	(40,000 μg/m³)	μg/m³
Acetaldehyde	Annual	0.000414	μg/m³	45.50 μg/m³	μg/m³
Acrolein	8-hour	0.00734	μg/m³	5.40 μg/m³	μg/m³
Ammonia	8-hour	0.57	μg/m³	640.00 μg/m³	μg/m³
Antimony	8-hour	0.000276	μg/m³	11.90 μg/m³	μg/m³
Arsenic	Annual	0.00024	μg/m³	0.02 μg/m³	μg/m³
Barium	8-hour	0.0000182	μg/m³	11.90 μg/m³	μg/m³
Benzene	Annual	0.000944	μg/m³	12.00 μg/m³	μg/m³
Beryllium	Annual	0.0000107	μg/m³	0.04 μg/m³	μg/m³
Biphenyl	8-hour	0.0000431	μg/m³	23.80 μg/m³	μg/m³
Cadmium	Annual	0.0000165	μg/m³	0.06 μg/m³	μg/m³
Carbon Disulfide	8-hour	0.00329	μg/m³	71.40 μg/m³	μg/m³
Chlorobenzene	8-hour	0.000557	μg/m³	1,100.00 μg/m³	μg/m³
Chloroethane	8-hour	0.015	μg/m³	62,900.00 μg/m³	μg/m³
Chloroform	Annual	0.0000429	μg/m³	4.30 μg/m³	μg/m³
Chromium VI	Annual	0.0000978	μg/m³	0.01 μg/m³	μg/m³
Copper	8-hour	0.0000312	μg/m³	23.80 μg/m³	μg/m³
Cumene	8-hour	0.000134	μg/m³	5,860.00 μg/m³	μg/m³
Cyanide	8-hour	0.063	μg/m³	260.00 μg/m³	μg/m³
1,2-Dibromoethane	Annual	0.0000009	μg/m³	0.45 μg/m³	μg/m³
1,2-Dichloroethane	Annual	0.0000291	μg/m³	3.85 μg/m³	μg/m³
Dichloromethane	Annual	0.000211	μg/m³	212.77 μg/m³	μg/m³
2,4-Dinitrotoumene	8-hour	0.0000071	μg/m³	4.76 μg/m³	μg/m³
Ethyl Benzene	8-hour	0.00238	μg/m³	10,300.00 μg/m³	μg/m³
Formaldehyde	Annual	0.000258	μg/m³	7.69 μg/m³	μg/m³
Hydrogen Chloride	8-hour	0.0000055	μg/m³	180.00 μg/m³	μg/m³
Hydrogen Fluoride	8-hour	0.0000351	μg/m³	61.90 μg/m³	μg/m³
Manganese	8-hour	0.000174	μg/m³	4.76 μg/m³	μg/m³
Mercury	8-hour	0.00175	μg/m³	1.19 μg/m³	μg/m³
Methyl Ethyl Ketone	8-hour	0.00988	μg/m³	14,000.00 μg/m³	μg/m³

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Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
n-Hexane	8-hour	0.0017 $\mu\text{g}/\text{m}^3$	4190.00 $\mu\text{g}/\text{m}^3$
Nickel	Annual	0.15 * $\mu\text{g}/\text{m}^3$	0.21 $\mu\text{g}/\text{m}^3$
Phenol	8-hour	0.000405 $\mu\text{g}/\text{m}^3$	452.00 $\mu\text{g}/\text{m}^3$
Polynuclear Aromatic Hydrocarbons (PAHs)	Annual	0.0000351 $\mu\text{g}/\text{m}^3$	0.06 $\mu\text{g}/\text{m}^3$
Propionaldehyde	8-hour	0.00962 $\mu\text{g}/\text{m}^3$	4,290.00 $\mu\text{g}/\text{m}^3$
Selenium	8-hour	0.0000145 $\mu\text{g}/\text{m}^3$	4.76 $\mu\text{g}/\text{m}^3$
Styrene	8-hour	0.000633 $\mu\text{g}/\text{m}^3$	5,070.00 $\mu\text{g}/\text{m}^3$
Sulfuric Acid	8-hour	1.71 $\mu\text{g}/\text{m}^3$	23.80 $\mu\text{g}/\text{m}^3$
1,1,2,2-Tetrachloroethane	Annual	0.0000312 $\mu\text{g}/\text{m}^3$	1.70 $\mu\text{g}/\text{m}^3$
Toluene	8-hour	0.00608 $\mu\text{g}/\text{m}^3$	8,900.00 $\mu\text{g}/\text{m}^3$
1,1,1-Trichloroethane	8-hour	0.000506 $\mu\text{g}/\text{m}^3$	45,200.00 $\mu\text{g}/\text{m}^3$
Vinyl Acetate	8-hour	0.000211 $\mu\text{g}/\text{m}^3$	830.00 $\mu\text{g}/\text{m}^3$
Xylene	8-hour	0.0000254 $\mu\text{g}/\text{m}^3$	10,300.00 $\mu\text{g}/\text{m}^3$
Zinc	8-hour	23.37 ** $\mu\text{g}/\text{m}^3$	119.00 $\mu\text{g}/\text{m}^3$

* Screening result due to modified emissions post-modeling.

** This number is the result of a screening analysis performed by LDEQ due to increases in the pollutant emissions subsequent to the facility's modeling submittal. This number does not represent the result of a refined screening analysis. This number is extremely conservative because it does not take into account site specific information for the facility or the facility fenceline.

Following a meeting dated February, 13, 2007, the U.S. Fish and Wildlife stated that Big Cajun II needed to perform a Class I Air Quality Related Values (AQRVs) analysis using the CALPUFF model. Although Big Cajun II is over 260 kilometers (km) away from the Breton Wildlife Refuge, the size of the emission increase merited an impact analysis on the Class I area. CALPUFF is the appropriate model for sources at distances greater than 50 km.

The increase due to the modification required a more in-depth analysis of the Class I Air Quality Related Values (AQRVs) for the Breton Wilderness Area. Louisiana Generating, LLC, (LaGen) submitted a revised Class I Impact Analysis for the Big Cajun I Generating Station and the Big Cajun II Unit 4 Project to the LDEQ, EPA Region 6, and the U.S. Fish and Wildlife Services (the Federal Land Manager (FLM) for the Wilderness Area) on January 16, 2008.

The Impact Analysis used the dispersion model CALPUFF to evaluate the Significant Impact Levels (SILs) on PM₁₀, SO₂, and NO_x, PSD increment consumption, visibility impacts, and the sulfate and nitrogen deposition.

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In all scenarios, there were insignificant impacts on the air quality at the Breton Wilderness Area. PM₁₀ and NO_x did not exceed their respective SIL in terms of ambient concentration. While the short-term SO₂ concentrations did exceed their respective SILs, a cumulative impact analysis indicated that the total impacts in the Class I area were less than the allowable PSD Class I increment. The deposition flux was estimated to be below significance threshold levels (i.e., DAT) for both nitrogen and sulfur. The visibility impairment, measured in terms of light extinction coefficient, was less than five percent (5%) utilizing the VISTAS BART guidelines. Thus, no adverse impact was predicted on soil, vegetation, wildlife or visibility in the Breton NWR from these projects.

The Federal Land Manager (FLM) submitted an approval of the analysis on April 7, 2008, which stated that the project will not have an adverse visibility impact or impacts on any air quality related values at the Breton Wilderness Area.

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons				
		PM ₁₀	SO ₂	NO _x	CO	VOC
-	-	-	-	-	-	-

IX. Insignificant Activities

ID No.:	Description		Citation
INS-1	Maintenance Paint	250 gallons/yr	LAC 33:III.501.B.5.B.2
INS-2	Three Safety Kleen/Degreaser Units	420 gallons/yr	LAC 33:III.501.B.5.A.10
INS-7	Slop Oil Tank	350 gallons	LAC 33:III.501.B.5.A.3
INS-8A	Kerosene Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-8B	Kerosene Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-8C	Kerosene Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-9	Solvent Tank	250 gallons	LAC 33:III.501.B.5.A.2
INS-10	Lube Oil Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-11	Lube Oil Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-12	Lube Oil Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-13	Lube Oil Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-14	Lube Oil Tank	500 gallons	LAC 33:III.501.B.5.A.3
INS-15	Lube Oil Tank	500 gallons	LAC 33:III.501.B.5.A.3
INS-16	Lube Oil Tank	300 gallons	LAC 33:III.501.B.5.A.3
INS-17	Lube Oil Tank	300 gallons	LAC 33:III.501.B.5.A.3

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

ID No.:	Description		Citation
INS-18	Lube Oil Tank	250 gallons	LAC 33:III.501.B.S.A.3
INS-19	Diesel Fuel Tank	1,000 gallons	LAC 33:III.501.B.S.A.3
INS-20	Diesel Fuel Tank	750 gallons	LAC 33:III.501.B.S.A.3
INS-21	Diesel Fuel Tank	550 gallons	LAC 33:III.501.B.S.A.3
INS-22	Diesel Fuel Tank	550 gallons	LAC 33:III.501.B.S.A.3
INS-23	Diesel Fuel Tank	200 gallons	LAC 33:III.501.B.S.A.2
INS-24	BFP Turbine Oil Tank	600 gallons	LAC 33:III.501.B.S.A.3
INS-25	BFP Turbine Oil Tank	600 gallons	LAC 33:III.501.B.S.A.3
INS-26	BFP Turbine Oil Tank	600 gallons	LAC 33:III.501.B.S.A.3
INS-27	BFP Turbine Oil Tank	125 gallons	LAC 33:III.501.B.S.A.2
INS-28	BFP Turbine Oil Tank	125 gallons	LAC 33:III.501.B.S.A.2
INS-29	BFP Turbine Oil Tank	125 gallons	LAC 33:III.501.B.S.A.2
INS-30	Caustic Tank	16,900 gallons	LAC 33:III.501.B.S.B.8
INS-31	Caustic Tank	16,200 gallons	LAC 33:III.501.B.S.B.8
INS-32	Caustic Tank	6,000 gallons	LAC 33:III.501.B.S.B.8
INS-33	Caustic Tank	800 gallons	LAC 33:III.501.B.S.B.8
INS-34	Caustic Tank	800 gallons	LAC 33:III.501.B.S.B.8
INS-35	Sulfuric Acid Tank	27,000 gallons	LAC 33:III.501.B.S.B.8
INS-36	Sulfuric Acid Tank	27,000 gallons	LAC 33:III.501.B.S.B.8
INS-37	Sulfuric Acid Tank	27,000 gallons	LAC 33:III.501.B.S.B.8
INS-38	Sulfuric Acid Tank	27,000 gallons	LAC 33:III.501.B.S.B.8
INS-39	Sulfuric Acid Tank	2,115 gallons	LAC 33:III.501.B.S.B.8
INS-40	Sulfuric Acid Tank	800 gallons	LAC 33:III.501.B.S.B.8
INS-41	Sulfuric Acid Tank	800 gallons	LAC 33:III.501.B.S.B.8
INS-42	Aluminate Tank	6,400 gallons	LAC 33:III.501.B.S.B.8
INS-43	Aluminate Tank	750 gallons	LAC 33:III.501.B.S.B.8
INS-44	Cationic Polymer Tank	6,000 gallons	LAC 33:III.501.B.S.B.8
INS-69	Bottom Ash Pond	--	LAC 33:III.501.B.S.D.a-d
INS-70	Coal Lab Baghouse	--	LAC 33:III.501.B.S.D.a-d

AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant

Agency Interest No.: 38867

Louisiana Generating, LLC

New Roads, Pointe Coupee Parish, Louisiana

ID No.:	Description		Citation
TNK-71	Ammonia Bulk Tank	9,900 gallons	LAC 33:III.501.B.5.B.8
INS-100	Three Safety Kleen/Degreaser Units	420 gallons/yr	LAC 33:III.501.B.5.A.3
INS-101	Kerosene Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-102	Lube Oil Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-103	Lube Oil Tank	550 gallons	LAC 33:III.501.B.5.A.3
INS-105	Two Aluminate Tanks	6,400 / 750 gallons	LAC 33:III.501.B.5.A.4
INS-106	Cationic Polymer Tank	6,000 gallons	LAC 33:III.501.B.5.A.4
INS-111	Fly Ash Barge Loading Fabric Filter Bags	--	LAC 33:III.501.B.5.D.a-d
-	Demineralized Water Tank (6)	150,000 gallons	LAC 33:III.501.B.5.C.1-5
-	Filtered Water Tank (1)	100,000 gallons	LAC 33:III.501.B.5.C.1-5

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

X. **Table 1. Applicable Louisiana and Federal Air Quality Requirements**

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
 Agency Interest No.: 38867
 Louisiana Generating, LLC
 New Roads, Pointe Coupee Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III Chapter												40 CFR													
		NSPS 40 CFR 60				NESHAP 40 CFR 61				NESHAP 40 CFR 63				40 CFR													
		000	Y	K _a	K _b	D _a	A	III	A	Z	B	A	0	52	64	68	72	73	75	76	77	78	79	96	97		
EQT032	CT2 - Cooling Tower 2																										
EQT033	EBR3 - Unit 3 East Bunker Room	-	-	1	1	1	1																			3	
EQT034	PC1 - Barge Unloading	-	-	1	1	1	1																			3	
EQT035	S 3,4 - Lime Silo Operation	-	-	1	1																					1	
EQT036	T1 - Transfer Tower T1	-	-	1	1	1	1																			1	
EQT037	T1A - Barge Unloading Transfer	-	-	1	1	1	1																			1	
EQT038	T2 - Transfer Tower T2	1	1	1	1	1	1																			1	
EQT039	T3 - Transfer Tower T3	1	1	1	1	1	1																			1	
EQT040	T4 - Transfer Tower T4/ Crusher	1	1	1	1	1	1																			1	
EQT041	T 8 - Transfer Tower T8	1	1	1	1	1	1																			1	
EQT042	T NK1 - Fuel Oil Tank																										1
EQT043	T NK12 - Gasoline Tank																										1
EQT044	T NK2 - Fuel Oil Tank																										1
EQT045	T NK3 - Fuel Oil Tank																										3
EQT046	T NK6 - Turbine Lube Oil Tank																										3

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

Table 1: Applicable Louisiana and Federal Air Quality Requirements

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

X. **Table 1. Applicable Louisiana and Federal Air Quality Requirements**

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

Table 1. Applicable Louisiana and Federal Air Quality Requirements

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

Table 1. Applicable Louisiana and Federal Air Quality Requirements

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

Table 1: Applicable Louisiana and Federal Air Quality Requirements

* The regulations indicated above are State Only regulations.

* The regulations indicated above are State Only regulations.
▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

KEY TO MATRIX

- 1 -The regulations have applicable requirements that apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
 Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT008	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT010	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT011	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT021	Emission Monitoring Requirements [LAC 33:II:915.D] Control of Emissions of Nitrogen Oxides (NO _x) [LAC 33:II:2201.C.15] Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:II:5105.B.2] Emission Standards for Particulate Matter [LAC 33:II:1311.F]	EXEMPT. The boiler is exempt because it is subject to a New Source Performance Standard (NPS). EXEMPT. The boiler is required to meet more stringent BACT NO _x emission limits. EXEMPT. Electric utility steam-generating units are exempt from the requirements of LAC 33:III Chapter 51 Subchapter A. DOES NOT APPLY. Emissions from cooling towers are due to uncombined water and the limits of LAC 33:III Chapter 13 are not applicable.
EQT022, EQT031, EQT032	NESHAP – Subpart Q – National Emission Standards for Hazardous Air Pollutants for Industrial Cooling Towers [40 CFR 63.400(a)]	DOES NOT APPLY. The Big Cajun Unit II Power Plant does not use chromium based water treatment chemicals in the cooling water or cooling towers.
	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Pre-controlled emissions from the cooling towers are less than 100 TPY per pollutant.
EQT023	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT027, EQT028, EQT029	Emission Monitoring Requirements [LAC 33.III.915.D] Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33.III.5105.B.2] Compliance Assurance Monitoring [40 CFR 64.2(b)(1)(iii)]	EXEMPT. The boilers are exempt because they are subject to a New Source Performance Standard (NSPS). EXEMPT. Electric utility steam-generating units are exempt from the requirements of LAC 33.III Chapter 51 Subchapter A. EXEMPT. Boilers are subject to the more stringent Acid Rain requirements of 40 CFR 75 for NO _x emissions.
EQT030, EQT033, EQT034, EQT035, EQT049, EQT058	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT036, EQT037, EQT038, EQT039, EQT040, EQT041, EQT060	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source.
EQT042, EQT044	Storage of Volatile Organic Compounds [LAC 33.III.2103.A]	DOES NOT APPLY. Tanks do not store a volatile organic compound with a vapor pressure of 1.5 psia or greater.
EQT043	NSPS – Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 [40 CFR 60.111(b)] NSPS – Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.110b(a)] Storage of Volatile Organic Compounds [LAC 33.III.2103.A]	DOES NOT APPLY. Fuel oil No. 2 does not meet the definition of petroleum liquids. DOES NOT APPLY. The capacity of the tank is less than 40 m ³ (10,500 gallons).
EQT045, EQT046, EQT047, EQT048	NSPS – Subpart K – Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978 [40 CFR 60.110(a)]	DOES NOT APPLY. Tanks do not store a volatile organic compound with a vapor pressure of 1.5 psia or greater. DOES NOT APPLY. Each storage vessel has a capacity less than 40,000 gallons.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQT050, EQT051, EQT052, EQT053, EQT061	Emission Monitoring Requirements [LAC 33:III.915.A] Emission Standard for Sulfur Dioxide [LAC 33:III.1502.A.3] Control of Emissions of Nitrogen Oxides (NOX) [LAC 33:III.2201.C.14]	DOES NOT APPLY. Engines (pumps) are not source categories per Appendix P of 40 CFR Part 51.
	NSPS - Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [40 CFR 60.4200(a)]	DOES NOT APPLY. Engines do not emit more than 5 tons per year of SO ₂ into the atmosphere. EXEMPT. Diesel-fired stationary internal combustion engines are exempt from the requirements of LAC 33:III.2201.
	Storage of Volatile Organic Compounds [LAC 33:III.2103.A]	EXEMPT. Diesel-fired stationary internal combustion engines were constructed in 1976 and 1978 prior to the applicability of NSPS Subpart III.
EQT082, EQT083, EQT084, EQT085, EQT087, EQT088, EQT089	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109.A]	DOES NOT APPLY. Tanks do not store volatile organic liquids.
	NSPS - Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 [40 CFR 60.111b(k)]	EXEMPT. Ammonia is a Class III TAP and does not require MACT Analysis.
EQT062, EQT063, EQT064, EQT065	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Tank contents do not meet the definition of volatile organic liquid (VOL).
		DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount in TPY, required for the source to be classified as a major source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Louisiana Generating LLC - Big Cajun II Power Plant
Agency Interest No.: 38867
Louisiana Generating, LLC
New Roads, Pointe Coupee Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
EQ T066, EQ T067, EQ T068, EQ T069, EQ T070, EQ T071, EQ T072, EQ T073, EQ T074, EQ T075, EQ T076, EQ T077, FUG008, FUG009, FUG011, FUG012, FUG013	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount in TPY, required for the source to be classified as a major source.
EQT078, EQT079, EQT080, EQT081	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount in TPY, required for the source to be classified as a major source.
FUG002, FUG003, FUG004, FUG005, FUG006, FUG010	Compliance Assurance Monitoring [40 CFR 64.2(a)(3)]	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ /HAP that is equal to or greater than 100% of the amount in TPY, required for the source to be classified as a major source.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

General Information

All ID: 38867 Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

Also Known As:	ID	Name	User Group	Start Date
	2260-00012	Louisiana Generating LLC - Big Cajun II Power Plant	CDS Number	07-29-1999
	LAD000803064	Big Cajun II Power Plant	Hazardous Waste Notification	03-17-2000
	LA0054135	LPDES #	LPDES Permit #	05-22-2003
	LAG530105	LPDES #	LPDES Permit #	05-22-2003
	WP0747	LPDES #	LPDES Permit #	06-25-2003
	6055	ORIS Code	ORIS Code	09-16-2008
	LA-3599-L01	Priority 2 Emergency Site	Priority 2 Emergency Site	07-25-2006
	3599	Radioactive Material License	Radiation License Number	07-19-2000
	9136	X-Ray Registration Number	Radiation X-ray Registration Number	11-15-2005
	GD-077-0583	Cajun Electric Power Coop Inc	Solid Waste	01-08-2002
	16948	Cajun Electric Power Corp Inc	Solid Waste Facility No.	01-08-2002
	3827	Cajun Electric Power Coop Inc - Big Cajun II	TEMPO Merge	03-12-2001
	70760BGCJN9851C	Big Cajun II	TEMPO Merge	03-12-2001
	1481	UST Case History Case Number	Toxic Release Inventory	07-09-2004
	39001741	UST Facility ID (from UST legacy data)	UST Case Number	11-21-1999
	WQC WW 080404-04	Water Quality Certification #	UST FID #	10-11-2002
	584	Louisiana Generating LLC	Water Certification	04-16-2008
			Water Permitting	11-21-1999
			Main Phone:	2256184000
		Physical Location: 112 Telly St New Roads, LA 70760		
		Mailing Address: Jeffrey Baudier Jeffrey Baudier Gary Ellender Gary Ellender Gary Ellender Gary Ellender Gary Ellender	Jeffrey Baudier Jeffrey Baudier Gary Ellender Gary Ellender Gary Ellender Gary Ellender Gary Ellender	2256184407 (WP) 2256384158 (WF) 2256184465 (WP) 2256184465 (WP) 2256184465 (WP) Gary.Ellender@nrge Gary.Ellender@nrg
		Location of Front Gate: 30° 43' 42" 50 hundredths latitude, 91° 22' 20" 20 hundredths longitude, Coordinate Method: Lat. Long. - DMS, Coordinate Datum: NAD83		Responsible Official for Responsible Official for Water Billing Party for Responsible Official for Air Permit Contact For Air Permit Contact For Responsible Official for
		Related People:	Name	Relationship
			Mailing Address	Phone (Type)

General Information

AI ID: 38867 Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Gary Ellender	PO Box 39 Ventress, LA 707830039	Gary.Ellender@mge	Accident Prevention Billing Party for
	Gary Ellender	PO Box 39 Ventress, LA 707830039	2256184465 (W/P)	Accident Prevention Billing Party for
	Gary Ellender	PO Box 39 Ventress, LA 707830039	Gary.Ellender@mge	Water Billing Party for
	Chad Heim	PO Box 39 Ventress, LA 707830039	2256383773 (W/P)	Radiation Contact For
	Chad Heim	PO Box 39 Ventress, LA 707830039	2255715225 (CP)	Radiation Contact For
	Chad Heim	PO Box 39 Ventress, LA 707830039	Chad.Heim@BigCaj	Radiation Contact For
	Chad Heim	PO Box 39 Ventress, LA 707830039	2256384158 (WF)	Radiation Contact For
	Chad Heim	PO Box 39 Ventress, LA 707830039	2256383773 (W/P)	Radiation Safety Officer for
	Chad Heim	PO Box 39 Ventress, LA 707830039	2255715225 (CP)	Radiation Safety Officer for
	Chad Heim	PO Box 39 Ventress, LA 707830039	2256384158 (WF)	Radiation Safety Officer for
	Chad Heim	PO Box 39 Ventress, LA 707830039	Chad.Heim@BigCaj	Radiation Safety Officer for
	Robert Hendrix	PO Box 39 Ventress, LA 707830039	2256384158 (WF)	Accident Prevention Contact for
	Robert Hendrix	PO Box 39 Ventress, LA 707830039	2256383773 (ext 571	Accident Prevention Contact for
	Ash Namjoshi	PO Box 39 Ventress, LA 707830039	ASH.NAMJOSHI@B	Emission Inventory Contact for
	Ash Namjoshi	PO Box 39 Ventress, LA 707830039	2256383773 (ext 561	Emission Inventory Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Louisiana Generating LLC	112 Telly St New Roads, LA 70760	Operates	
	Louisiana Generating LLC	112 Telly St New Roads, LA 70760	Owns	
	Louisiana Generating LLC	112 Telly St New Roads, LA 70760	Air Billing Party for	
	Louisiana Generating LLC	PO Box 39 Ventress, LA 707830039	Radiation License Billing Party for	
	Louisiana Generating LLC	112 Telly St New Roads, LA 70760	Emission Inventory Billing Party	
	Louisiana Generating LLC	PO Box 39 Ventress, LA 707830039	Radiation Registration Billing Party for	
	Louisiana Generating LLC	112 Telly St New Roads, LA 70760	UST Billing Party for	

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
 Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

All ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Big Cajun 2						
EQT 0008	[02-01] - Transfer Tower T-20		5000 tons/hr			8760 hr/yr
EQT 0010	[04-01] - Transfer Tower T-22/Crusher		3.6 MM tons/yr			4950 hr/yr
EQT 0011	[05-01] - Emergency Unloading		375000 tons/yr	2500 tons/hr		150 hr/yr
EQT 0021	[15-01] - Boiler No. 4(2B4)		6566 MM BTU/hr			8760 hr/yr
EQT 0022	[16-01] - Cooling Tower 3		23.84 MM gallons/hr			8760 hr/yr
EQT 0023	[17-01] - Unit 4 Ash Silo		350400 tons/yr			8760 hr/yr
EQT 0027	[2B1] - Boiler No. 1		6420 MM BTU/hr			8760 hr/yr
EQT 0028	[2B2] - Boiler No. 2		6420 MM BTU/hr			8760 hr/yr
EQT 0029	[2B3] - Boiler No. 3		6420 MM BTU/hr			8760 hr/yr
EQT 0030	[BR1.2] - Unit 1 & Unit 2 Bunker Room		2700 tons/hr			8760 hr/yr
EQT 0031	CT1 - Cooling Tower 1		21.15 MM gallons/hr			8760 hr/yr
EQT 0032	CT2 - Cooling Tower 2		21.15 MM gallons/hr			8760 hr/yr
EQT 0033	[EBR3] - Unit 3 East Bunker Room		1350 tons/yr			8760 hr/yr
EQT 0034	PC1 - Barge Unloading		5000 tons/hr			8760 hr/yr
EQT 0035	S 3.4 - Lime Silo Operation		320 tons/hr			8760 hr/yr
EQT 0036	T1 - Transfer Tower T1		5000 tons/yr			8760 hr/yr
EQT 0037	T1A - Barge Unloading Transfer		5000 tons/hr			8760 hr/yr
EQT 0038	T2 - Transfer Tower T2		5000 tons/hr			8760 hr/yr
EQT 0039	T3 - Transfer Tower T3		5000 tons/hr			8760 hr/yr
EQT 0040	T4 - Transfer Tower T4/Crusher		5000 tons/hr			8760 hr/yr
EQT 0041	T8 - Transfer Tower T8		5000 tons/hr			8760 hr/yr
EQT 0042	TNK1 - Fuel Oil Tank		280000 gallons			8760 hr/yr
EQT 0043	TNK12 - Gasoline Tank		1500 gallons			8760 hr/yr
EQT 0044	TNK2 - Fuel Oil Tank		280000 gallons			8760 hr/yr
EQT 0045	TNK3 - Fuel Oil Tank		39000 gallons			8760 hr/yr
EQT 0046	TNK6 - Turbine Lube Oil Tank		12500 gallons			8760 hr/yr
EQT 0047	TNK7 - Turbine Lube Oil Tank		12500 gallons			8760 hr/yr
EQT 0048	TNK8 - Turbine Lube Oil Tank		12500 gallons			8760 hr/yr
EQT 0049	[WBR3] - Unit 3 West Bunker Room		1350 tons/hr			8760 hr/yr
EQT 0050	EG-1 - Emergency Generator #1		1200 horsepower			552 hr/yr
EQT 0051	EG-2 - Emergency Generator #2		1200 horsepower			552 hr/yr
EQT 0052	EF-1 - Emergency Firewater Pump #1		300 horsepower			552 hr/yr
EQT 0053	EF-2 - Emergency Firewater Pump #2		300 horsepower			8760 hr/yr
EQT 0058	01-01 - Coal Railcar Unloading Building		5000 tons/hr	1500 tons/hr		2400 hr/yr
EQT 0060	06-01 - Transfer Tower T-23		3.6 MM tons/yr			552 hr/yr
EQT 0061	EG-3 - Emergency Generator #3		380 horsepower			1000 hr/yr
EQT 0062	01-06 - Stacker Reclaim System		2.4 MM tons/yr			8760 hr/yr
EQT 0063	02-06 - Luffing/Slewing Stacker Feed		5000 tons/hr	2500 tons/hr		1500 hr/yr
EQT 0064	03-06 - Luffing/Slewing Stacker		3.6 MM tons/yr	2500 tons/hr		1500 hr/yr

INVENTORIES

All ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Big Cajun 2						
EQT 0065	04-06 - Portal Reclaimer	2400 tons/hr				8760 hr/yr
EQT 0066	05-06 - Limestone Rail Car Unloading	500000 tons/yr	750 tons/hr			670 hr/yr
EQT 0067	06-06 - Emergency Limestone Truck Unloading	60000 tons/yr				300 hr/yr
EQT 0068	07-06 - Emergency Limestone Reclaim	54000 tons/yr				300 hr/yr
EQT 0069	08-06 - Limestone Transfer Tower	50000 tons/hr	750 tons/hr			8760 hr/yr
EQT 0070	09-06 - Limestone Stackout	50000 tons/hr	750 tons/hr			8760 hr/yr
EQT 0071	10-06 - Limestone Reclaim	400 tons/hr				8760 hr/yr
EQT 0072	11-06 - Limestone Day Silos	400 tons/hr				8760 hr/yr
EQT 0073	12-06 - Gypsum Dewatering Building	270 tons/hr				8760 hr/yr
EQT 0074	13-06 - Gypsum Transfer Tower	270 tons/hr				8760 hr/yr
EQT 0075	14-06 - Gypsum Radial Stacker Feed	270 tons/hr				8760 hr/yr
EQT 0076	15-06 - Gypsum Transfer to Storage Piles	480000 tons/yr				3000 hr/yr
EQT 0077	16-06 - Gypsum Truck Loading	24 tons/hr				8760 hr/yr
EQT 0078	17-06 - Activated Carbon Silo Bin Vent	24 tons/hr				8760 hr/yr
EQT 0079	18-06 - Sorbent Silo Bin Vent	24 tons/hr				8760 hr/yr
EQT 0080	19-06 - Unit 4 Ash Truck Loading	43.5 tons/hr				8760 hr/yr
EQT 0081	20-06 - Unit 4 Bottom Ash Loading Emissions	13.5 tons/hr				8760 hr/yr
EQT 0082	TNK-72 - Ammonia Bulk Tank	20000 gallons				8760 hr/yr
EQT 0083	TNK-73 - Ammonia Bulk Tank	20000 gallons				8760 hr/yr
EQT 0084	TNK-74 - Ammonia Bulk Tank	20000 gallons				8760 hr/yr
EQT 0085	TNK-75 - Ammonia Bulk Tank	20000 gallons				8760 hr/yr
EQT 0087	TNK-71 - Ammonia Bulk Tank	9900 gallons				8760 hr/yr
EQT 0088	TANKS 45-53, 107-108 - Caustic, Sulfuric Acid or Ammonia Tanks (200 gallons each)	200 gallons				8760 hr/yr
EQT 0089	TANKS 54-62, 109-110 - Ammonia, Phosphate or Hydrazine Tanks (100 gallons each)	100 gallons				8760 hr/yr
FUG 0002	FUG 2 - Coal Piles					8760 hr/yr
FUG 0003	FUG 1 - Coal Handling Conveyors (16 sources)					8760 hr/yr
FUG 0004	FUG 3 - Fly Ash Pond					8760 hr/yr
FUG 0005	FUG 5 - Road Emissions					8760 hr/yr
FUG 0006	S 1.2 - Fly Ash Handling Emissions	437653 tons/yr				8760 hr/yr
FUG 0008	FUG 10 - Gypsum Pile & Loading Fugitive Emissions	2.37 MM tons/yr				8760 hr/yr
FUG 0009	FUG 11 - Gypsum Conveyors	500000 tons/yr				8760 hr/yr
FUG 0010	FUG 6 - New Coal Conveyors	500000 tons/yr				8760 hr/yr
FUG 0011	FUG 7 - Limestone Pile Fugitive Emissions	325000 tons/yr				8760 hr/yr
FUG 0012	FUG 8 - Limestone Pile Fugitive Emissions	600000 tons/yr				8760 hr/yr
FUG 0013	FUG 9 - Limestone Emergency Unloading Fugitive Emissions					8760 hr/yr

INVENTORIES

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER200060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Stack Information:		Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Big Cajun 2								
EQT 0008	02-01 - Transfer Tower T-20		44.8		3		90	
EQT 0010	04-01 - Transfer Tower T-22/Crusher		51.97		3.5		135	
EQT 0011	05-01 - Emergency Unloading						17.4	
EQT 0021	15-01 - Boiler No. 4(2B4)		55		28.83		600	
EQT 0022	16-01 - Cooling Tower 3		27		33		30	
EQT 0023	17-01 - Unit 4 Ash Silo		37.73		1.5		136.1	
EQT 0027	2B1 - Boiler No. 1		60		26.5		600	
EQT 0028	2B2 - Boiler No. 2		60		26.5		600	
EQT 0029	2B3 - Boiler No. 3		60		26.5		600	
EQT 0030	BFR1.2 - Unit 1 & Unit 2 Bunker Room				1.5		177	
EQT 0031	C11 - Cooling Tower 1				30		73.5	
EQT 0032	CT2 - Cooling Tower 2				30		73.5	
EQT 0033	EBR3 - Unit 3 East Bunker Room		85.75		2.33		194	
EQT 0034	PC1 - Barge Unloading					4		
EQT 0035	S 3.4 - Lime Silo Operation						16.2	
EQT 0036	T1 - Transfer Tower T1						63.1	
EQT 0037	T1A - Barge Unloading Transfer						43.1	
EQT 0038	T2 - Transfer Tower T2						94.4	
EQT 0039	T3 - Transfer Tower T3						107.6	
EQT 0040	T4 - Transfer Tower T4/Crusher						137.3	
EQT 0041	T8 - Transfer Tower T8						103.4	
EQT 0049	WBR3 - Unit 3 West Bunker Room		85.75	22000	2.33		194	
EQT 0060	06-01 - Transfer Tower T-23				4.5		195	
EQT 0072	11-06 - Limestone Day Silos		11				115	
EQT 0078	17-06 - Activated Carbon Silo Bin Vent		11		4		60	
EQT 0079	18-06 - Sorbent Silo Bin Vent		11		2		60	
FUG 0006	S 1.2 - Fly Ash Handling Emissions				2			72.5

Relationships:

Subject Item Groups:	ID	Group Type	Group Description
	CRG 0001	Common Requirements Group	15-01 MACT - Boiler No. 4(2B4) Case-by-Case MACT

INVENTORIES

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Subject Item Groups:

ID	Group Type	Group Description
GRP 0006	Equipment Group	Acid Rain - Acid Rain Affected Sources
GRP 0007	Equipment Group	NOX Cap - 2B1, 2B2, & 2B3 - Boiler NOX Emission Cap
SCN 0001	Alternate Operating Scenario	15-01 Cold - Boiler No. 4 Cold Start/Shutdown
SCN 0002	Alternate Operating Scenario	15-01 Hot - Boiler No. 4 Hot Start/Shutdown
SCN 0003	Alternate Operating Scenario	15-01 Normal - Boiler No. 4 Normal Operations
UNF 0001	Unit or Facility Wide	BC2 - Big Cajun 2

Group Membership:

ID	Description	Member of Groups
EOT 0021	15-01 - Boiler No. 4(2B4)	CRG0000000001, GRP0000000006, SCN0000000002.
EOT 0027	2B1 - Boiler No. 1	SCN0000000003
EOT 0028	2B2 - Boiler No. 2	GRP0000000006, GRP0000000007
EOT 0029	2B3 - Boiler No. 3	GRP0000000006, GRP0000000007

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
1400	1400 A) Electric Power Gen. (Over 0.7 percent S in Fuel) (Rated Capacity)	705	MW
1410	1410 B) Electric Power Gen. (0.7 percent S or Less in Fuel) (Rated Capacity)	1725	MW

SIC Codes:

4911	Electric services	AI 38867
4911	Electric services	UNF 001

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lbs/hr	Max lbs/hr	Tons/Year												
Big Cajun 2															
EQT 0008 02-01							<0.01	<0.01	<0.01						
EQT 0010 04-01							0.03	0.05	0.08						
EQT 0011 05-01							0.05	1.24	<0.01						
EQT 0021 15-01		3882.50					2013.10		345.11						97.80
EQT 0022 16-01							4.78	7.16	20.90						
EQT 0023 17-01							0.39	0.39	1.70						
EQT 0027 2B1		12636.60								2812.00					102.90
EQT 0028 2B2		12159.70								2812.00					23.50
EQT 0029 2B3		13658.20								2568.00					23.50
EQT 0030 BR1.2							<0.01	<0.01	<0.01						
EQT 0031 CT1							4.31	6.47	18.88						
EQT 0032 CT2							4.31	6.47	18.88						
EQT 0033 EBR3							<0.01	<0.01	<0.01						
EQT 0034 PC1							0.04	1.24	0.19						
EQT 0035 S3.4							<0.01	<0.01	<0.01						
EQT 0036 T1							<0.01	0.01	0.01						
EQT 0037 T1A							0.01	0.19	0.03						
EQT 0038 T2							<0.01	0.01	0.01						
EQT 0039 T3							<0.01	0.01	0.01						
EQT 0040 T4							0.50	0.50	2.19						
EQT 0041 T8							<0.01	0.01	0.01						
EQT 0042 TNK1											0.03	0.04	0.10		
EQT 0043 TNK12											0.08	0.09	0.30		

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lbs/hr	Max lbs/hr	Tons/Year												
Big Cajun 2															
EQT 0044 TNK2													0.02	0.03	0.10
EQT 0045 TNK3													<0.01	<0.01	0.01
EQT 0046 TNK5													<0.01	<0.01	<0.01
EQT 0047 TNK7													<0.01	<0.01	<0.01
EQT 0048 TNK8													<0.01	<0.01	<0.01
EQT 0049 WBR3							0.01	0.08	0.10						
EQT 0050 EG-1	6.60	6.60	1.82	28.80	28.80	7.95	0.84	0.84	0.23	7.60	7.60	1.88	0.77	0.77	0.21
EQT 0051 EG-2	6.60	6.60	1.82	28.80	28.80	7.95	0.84	0.84	0.23	7.60	7.60	1.88	0.77	0.77	0.21
EQT 0052 EF-1	2.00	2.00	0.55	9.30	9.30	2.57	0.66	0.66	0.18	0.62	0.62	0.17	0.75	0.75	0.21
EQT 0053 EF-2	2.00	2.00	0.55	9.30	9.30	2.57	0.66	0.66	0.18	0.62	0.62	0.17	0.75	0.75	0.21
EQT 0058 01-01							0.05	0.08	0.06						
EQT 0060 08-01							<0.01	<0.01	<0.01						
EQT 0061 EG-3	0.83	0.83	0.23	7.78	7.78	2.15	0.43	0.43	0.12	0.47	0.47	0.13	0.40	0.40	0.11
EQT 0062 01-06							0.25	2.98	0.12						
EQT 0063 02-06							0.27	6.20	1.16						
EQT 0064 03-06							0.27	6.20	0.20						
EQT 0065 04-06							0.49	5.95	2.14						
EQT 0066 05-06							0.24	1.07	0.08						
EQT 0067 06-06							<0.01	<0.01	<0.01						
EQT 0068 07-06							0.15	1.79	0.02						
EQT 0069 08-06							0.12	0.12	0.50						
EQT 0070 09-06							0.04	0.12	0.15						
EQT 0071 10-06							0.02	0.02	0.08						

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year									
Big Cajun 2															
EQT 0072 11-06							<0.01	<0.01	0.02						
EQT 0073 12-06							0.27	0.27	1.17						
EQT 0074 13-06							0.13	0.13	0.59						
EQT 0075 14-06							0.13	0.13	0.59						
EQT 0076 15-06							0.13	0.13	0.59						
EQT 0077 16-06							0.16	0.16	0.24						
EQT 0078 17-06							0.01	0.12	0.04						
EQT 0079 18-06							0.01	0.12	0.04						
EQT 0080 19-06							0.01	0.08	0.03						
EQT 0081 20-06							0.01	0.01	0.06						
FUG 0002 FUG2							0.23	903.00	1.03						
FUG 0003 FUG1							0.20	17.21	0.88						
FUG 0004 FUG3							0.13	475.30	0.58						
FUG 0005 FUG5							4.18	4.58	18.26						
FUG 0006 S.1.2							1.26	8.36	5.50						
FUG 0008 FUG10							0.21	40.80	0.90						
FUG 0009 FUG11							0.01	0.07	0.03						
FUG 0010 FUG6							0.17	20.98	0.74						
FUG 0011 FUG7							0.49	52.43	0.37						
FUG 0012 FUG8							0.21	56.30	0.93						
FUG 0013 FUG9							0.09	50.90	0.37						
GRP 0007 Nox Cap							1476.60	17715.30							
SCN 0001 15-01 Cold							1447.80								
														984.90	33.40

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
Big Cajun 2															
SCN 0002				1106.40											
15-01 Hot							1130.20								
SCN 0003				886.40	886.40	3882.50	459.60	2013.10	78.79	345.11	656.60	656.60	2875.90	22.30	98.00
15-01 Normal															

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

- EQT 0021 PM10 Tons/Year The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations in 8,760 hours per year. The permittee can select which scenario to operate under without exceeding the maximum PTE. Which Months: All Year
- EQT 0021 SO2 Tons/Year The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations in 8,760 hours per year. The permittee can select which scenario to operate under without exceeding the maximum PTE. Which Months: All Year
- EQT 0021 NOx Tons/Year The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations in 8,760 hours per year. The permittee can select which scenario to operate under without exceeding the maximum PTE. Which Months: All Year
- EQT 0021 CO Tons/Year The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations over 8,760 hours per year. The permittee can select which scenario to operate under without exceeding the maximum PTE. Which Months: All Year
- EQT 0021 VOC Tons/Year The emissions listed represent the maximum potential-to-emit (PTE) in tons per year at EQT021, 15-01 - Boiler No. 4(2B4), including emissions from both normal operations and also start-up/shut-down operations over 8,760 hours per year. The permittee can select which scenario to operate under without exceeding the maximum PTE. Which Months: All Year
- EQT 0027 SO2 Max lb/hr 30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
- EQT 0027 CO Max lb/hr 30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
- EQT 0028 CO Max lb/hr 30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
- EQT 0029 CO Max lb/hr 30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
- GRP 0007 NOx Avg lb/hr Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a NOX CEMS. Which Months: All Year
- SCN 0003 PM10 Avg lb/hr Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
- SCN 0003 PM10 Max lb/hr Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. Which Months: All Year
- SCN 0003 PM10 Tons/Year Emissions for this scenario represent normal, continuous operations EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
- SCN 0003 SO2 Avg lb/hr Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a SO2 CEMS. Which Months: All Year
- SCN 0003 SO2 Max lb/hr 30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year
- SCN 0003 SO2 Tons/Year Emissions for this scenario represent normal, continuous operations EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

SCN 0003	NOx	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a NOX CEMS. Which Months: All Year 30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a NOX CEMS. Which Months: All Year Emissions for this scenario represent normal, continuous operations of EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
SCN 0003	NOx	Max lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year 30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year Emissions for this scenario represent normal, continuous operations of EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
SCN 0003	NOx	Tons/Year	Emissions for this scenario represent normal, continuous operations of EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
SCN 0003	CO	Avg lb/hr	Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year 30 day rolling average. Where emission limits are based on both maximum allowable emissions in pounds per hour and an allowable based on lb/MM BTU heat input, both of these emission limits must be met to achieve compliance with this permit. This will be verified by a CO CEMS. Which Months: All Year Emissions for this scenario represent normal, continuous operations of EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
SCN 0003	CO	Max lb/hr	Emissions for this scenario represent normal, continuous operations of EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
SCN 0003	CO	Tons/Year	Emissions for this scenario represent normal, continuous operations of EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year
SCN 0003	VOC	Tons/Year	Emissions for this scenario represent normal, continuous operations of EQT021, 15-01 - Boiler No. 4(2B4) @ 8,760 hrs/yr. This scenario does not include start-up/shut-down emissions. Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0008 02-01	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0010 04-01	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0011 05-01	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0011 05-01	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0021 15-01	1,1,1-Trichloroethane			0.04
	1,1,2,2-Tetrachloroethane			0.08
	1,2-Dibromoethane			0.002
	1,2-Dichloroethane			0.072
	2,4-Dinitrotoluene			<0.01
	Acetaldehyde			1.02
	Acetophenone			0.03
	Acrolein			0.520
	Ammonia			40.30
	Antimony (and compounds)			0.101
	Arsenic (and compounds)			0.240
	Barium (and compounds)			3.010
	Benzene			2.34
	Benzyl chloride			1.26
	Beryllium (Table 51.1)			0.016
	Biphenyl			<0.01
	Bromoform			0.07
	Cadmium (and compounds)			0.028
	Carbon disulfide			0.23
	Chlorobenzene			0.039
	Chloroethane			0.08
	Chloroform			0.11
	Chromium VI (and compounds)			0.241
	Cobalt compounds			0.12

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0021 15-01	Copper (and compounds)			0.034
	Cumene			0.01
	Dichloromethane			0.52
	Dimethyl sulfate			0.09
	Ethyl benzene			0.17
	Formaldehyde			0.64
	Hydrochloric acid			83.40
	Hydrofluoric acid			12.65
	Hydrogen cyanide			4.49
	Lead compounds			0.54
	Manganese (and compounds)			0.83
	Mercury (and compounds)			0.044
	Methyl Tertiary Butyl Ether			0.06
	Methyl bromide			0.29
	Methyl chloride			0.95
	Methyl ethyl ketone			0.70
	Methyl methacrylate			0.04
	Naphthalene			0.02
	Nickel (and compounds)			1.630
	Phenol			0.03
	Polynuclear Aromatic Hydrocarbons			0.870
	Propionaldehyde			0.68
	Selenium (and compounds)			0.997
	Styrene			0.05
	Sulfuric acid			215.70
EQT 0022 16-01	Toluene			0.43
	Vinyl acetate			0.01
	Xylene (mixed isomers)			0.07
	Zinc (and compounds)			0.56
	n-Hexane			0.12
EQT 0023 17-01	Chlorine	0.01	0.02	0.05
	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0023 17-01	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	0.001	0.001	0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0027 281	Antimony (and compounds)	0.002	0.008	0.009
	Arsenic (and compounds)	0.017	0.084	0.074
	Barium (and compounds)	2.35	11.74	10.29
	Benzene	0.51	0.51	2.20
	Beryllium (Table 51.1)	0.003	0.013	0.013
	Cadmium (and compounds)	0.001	0.004	<0.001
	Chromium VI (and compounds)	0.034	0.168	0.150
	Cobalt compounds	0.02	0.08	0.07
	Copper (and compounds)	0.084	0.419	0.368
	Formaldehyde	0.090	0.090	0.394
	Hydrochloric acid	89.50	447.40	392.00
	Hydrofluoric acid	17.20	85.90	75.20
	Lead compounds	0.02	0.08	0.07
	Manganese (and compounds)	0.17	0.84	0.73
	Mercury (and compounds)	0.047	0.233	0.206
	Nickel (and compounds)	0.034	0.168	0.149
EQT 0028 282	Selenium (and compounds)	0.008	0.042	0.035
	Sulfuric acid	3.00	14.80	12.90
	Zinc (and compounds)	0.08	0.38	0.33
	Antimony (and compounds)	0.002	0.008	0.009
	Arsenic (and compounds)	0.017	0.084	0.074

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0028 282	Barium (and compounds)	2.35	11.74	10.29
	Benzene	0.51	0.51	2.20
	Beryllium (Table 51.1)	0.003	0.013	0.013
	Cadmium (and compounds)	<0.01	0.004	<0.01
	Chromium VI (and compounds)	0.034	0.168	0.150
	Cobalt compounds	0.02	0.08	0.07
	Copper (and compounds)	0.084	0.419	0.368
	Formaldehyde	0.090	0.090	0.394
	Hydrochloric acid	89.50	447.40	392.00
	Hydrofluoric acid	17.20	85.90	75.20
	Lead compounds	0.02	0.08	0.07
	Manganese (and compounds)	0.17	0.84	0.74
	Mercury (and compounds)	0.047	0.233	0.206
	Nickel (and compounds)	0.034	0.168	0.148
EQT 0029 283	Selenium (and compounds)	0.008	0.042	0.035
	Sulfuric acid	3.00	14.80	12.90
	Zinc (and compounds)	0.08	0.38	0.33
	Antimony (and compounds)	0.002	0.008	0.009
	Arsenic (and compounds)	0.015	0.077	0.066
	Barium (and compounds)	2.145	10.725	9.395
	Benzene	0.51	0.51	2.20
	Beryllium (Table 51.1)	0.002	0.011	0.009
	Cadmium (and compounds)	0.001	0.004	0.004
	Chromium VI (and compounds)	0.031	0.153	0.130
	Cobalt compounds	0.02	0.08	0.07
	Copper (and compounds)	0.077	0.383	0.337
	Formaldehyde	0.090	0.090	0.394
	Hydrochloric acid	89.50	447.40	392.00
	Hydrofluoric acid	17.20	85.90	75.20
	Lead compounds	0.02	0.08	0.07
	Manganese (and compounds)	0.15	0.77	0.67
	Mercury (and compounds)	0.047	0.233	0.206
	Nickel (and compounds)	0.031	0.153	0.136

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant****Activity Number: PER20060002****Permit Number: 2260-00012-V1****Air - Title V Regular Permit Major Mod**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0028 2B3	Selenium (and compounds)	0.008	0.038	0.035
	Sulfuric acid	3.00	14.80	12.90
	Zinc (and compounds)	0.07	0.35	0.30
EQT 0030 BR1.2	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	0.001	0.001	0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0031 CT1	Chlorine	0.01	0.02	0.05
EQT 0032 CT2	Chlorine	0.01	0.02	0.05
EQT 0033 EBR3	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	0.001	0.001	0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant****Activity Number: PER20060002****Permit Number: 2260-00012-V1****Air - Title V Regular Permit Major Mod**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0034 PC1	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0036 T1	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0037 T1A	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant****Activity Number: PER20060002****Permit Number: 2260-00012-V1****Air - Title V Regular Permit Major Mod**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0037 T1A	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0038 T2	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0039 T3	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	0.01	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0039 T3	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0040 T4	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0041 T8	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0049 WBR3	Antimony (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

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Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0049 WBR3	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
EQT 0058 01-01	Zinc (and compounds)	<0.01	<0.01	<0.01
	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
EQT 0060 06-01	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

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Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0060 06-01	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0062 01-06	Antimony (and compounds)	<0.01	<0.01	<0.01
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	0.002	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0063 02-06	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	0.004	0.002
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0063 02-06	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0064 03-06	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	0.004	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0065 04-06	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	0.004	0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EQT 0080 19-06	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EOT 0080 19-06	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	0.001	0.001	0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EOT 0081 20-06	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	0.001	0.001	0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
EOT 0082 TNK-72	Ammonia	0.20	0.20	0.86
EOT 0083 TNK-73	Ammonia	0.20	0.20	0.86
EOT 0084 TNK-74	Ammonia	0.20	0.20	0.86
EOT 0085 TNK-75	Ammonia	0.20	0.20	0.86
EOT 0087 TNK-71	Ammonia	0.25	0.25	1.10
EOT 0088 TNKS 45-53, 107-108	Ammonia	1.00	1.00	4.40
	Sulfuric acid	<0.01	<0.01	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant****Activity Number: PER20060002****Permit Number: 2260-00012-V1****Air - Title V Regular Permit Major Mod**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0089 TNKS 54-62, 109-110	Ammonia	1.00	1.00	4.40
	Hydrazine	<0.001	<0.001	<0.001
FUG 0002 FUG 2	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	0.014	<0.001
	Barium (and compounds)	<0.001	0.350	<0.001
	Beryllium (Table 51.1)	<0.001	0.002	<0.001
	Cadmium (and compounds)	<0.001	0.001	<0.001
	Chromium VI (and compounds)	<0.001	0.057	<0.001
	Cobalt compounds	<0.01	0.01	<0.01
	Copper (and compounds)	<0.001	0.013	<0.001
	Lead compounds	<0.01	0.04	<0.01
	Manganese (and compounds)	<0.01	0.082	<0.01
	Mercury (and compounds)	0.001	0.001	0.001
	Nickel (and compounds)	<0.001	0.026	<0.001
FUG 0003 FUG 1	Selenium (and compounds)	<0.001	0.005	<0.001
	Zinc (and compounds)	<0.01	0.06	<0.01
	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	0.006	<0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
FUG 0004 FUG 3	Mercury (and compounds)	0.001	0.001	0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	<0.01	<0.01
	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	<0.001	<0.001	<0.001

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0004 FUG 3	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	<0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	0.001	0.001	0.001
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
FUG 0006 S 1.2	Zinc (and compounds)	<0.01	<0.01	<0.01
	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	<0.001	<0.001
	Barium (and compounds)	0.005	0.031	0.021
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	<0.001	<0.001
	Cobalt compounds	<0.01	<0.01	<0.01
	Copper (and compounds)	<0.001	0.001	0.001
	Lead compounds	<0.01	<0.01	<0.01
	Manganese (and compounds)	<0.01	<0.01	<0.01
	Nickel (and compounds)	<0.001	<0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
FUG 0010 FUG 6	Zinc (and compounds)	<0.01	<0.01	<0.01
	Antimony (and compounds)	<0.001	<0.001	<0.001
	Arsenic (and compounds)	<0.001	0.001	<0.001
	Barium (and compounds)	<0.001	0.014	0.001
	Beryllium (Table 51.1)	<0.001	<0.001	<0.001
	Cadmium (and compounds)	<0.001	<0.001	<0.001
	Chromium VI (and compounds)	<0.001	0.001	<0.001
	Cobalt compounds	<0.01	0.01	<0.01
	Copper (and compounds)	<0.001	0.001	<0.001
	Lead compounds	<0.01	<0.01	<0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0010 FUG 6	Manganese (and compounds)	<0.01	<0.01	<0.01
	Mercury (and compounds)	<0.001	<0.001	<0.001
	Nickel (and compounds)	<0.001	0.001	<0.001
	Selenium (and compounds)	<0.001	<0.001	<0.001
	Zinc (and compounds)	<0.01	0.01	<0.01
SCN 0003 15-01 Normal	1,1,1-Trichloroethane	0.01	0.01	0.04
	1,1,2,2-Tetrachloroethane	0.02	0.02	0.08
	1,2-Dibromoethane	<0.001	<0.001	0.002
	1,2-Dichloroethane	0.016	0.016	0.072
	2,4-Dinitrotoluene	<0.01	<0.01	<0.01
	Acetaldehyde	0.23	0.23	1.02
	Acetophenone	0.01	0.01	0.03
	Acrolein	0.120	0.120	0.520
	Ammonia	9.20	9.20	40.30
	Antimony (and compounds)	0.023	0.023	0.001
	Arsenic (and compounds)	0.056	0.056	0.240
	Barium (and compounds)	0.690	0.690	3.010
	Benzene	0.53	0.53	2.34
	Benzyl chloride	0.29	0.29	1.26
	Beryllium (Table 51.1)	0.003	0.003	0.016
	Biphenyl	<0.01	<0.01	<0.01
	Bromoform	0.02	0.02	0.07
	Cadmium (and compounds)	0.006	0.006	0.028
	Carbon disulfide	0.05	0.05	0.23
	Chlorobenzene	0.009	0.009	0.039
	Chloroethane	0.02	0.02	0.08
	Chloroform	0.02	0.02	0.11
	Chromium VI (and compounds)	0.055	0.055	0.240
	Cobalt compounds	0.03	0.03	0.12
	Copper (and compounds)	0.007	0.007	0.034
	Cumene	<0.01	<0.01	0.01
	Dichloromethane	0.12	0.12	0.52
	Dimethyl sulfate	0.02	0.02	0.09

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
SCN 0003 15-01 Normal	Ethyl benzene	0.04	0.04	0.17
	Formaldehyde	0.15	0.15	0.64
	Hydrochloric acid	19.04	19.04	83.40
	Hydrofluoric acid	2.89	2.89	12.65
	Hydrogen cyanide	1.03	1.03	4.49
	Lead compounds	0.04	0.04	0.18
	Manganese (and compounds)	0.19	0.19	0.83
	Mercury (and compounds)	0.010	0.010	0.044
	Methyl Tertiary Butyl Ether	0.01	0.01	0.06
	Methyl bromide	0.07	0.07	0.29
	Methyl chloride	0.22	0.22	0.95
	Methyl ethyl ketone	0.16	0.16	0.70
	Methyl methacrylate	0.01	0.01	0.04
	Naphthalene	0.01	0.01	0.02
	Nickel (and compounds)	0.370	0.370	1.630
	Phenol	0.01	0.01	0.03
	Polynuclear Aromatic Hydrocarbons	0.020	0.020	0.087
	Propionaldehyde	0.16	0.16	0.68
	Selenium (and compounds)	0.233	0.233	0.997
	Styrene	0.01	0.01	0.05
UNF 0001 BC2	Sulfuric acid	49.20	49.20	215.70
	Toluene	0.10	0.10	0.43
	Vinyl acetate	<0.01	<0.01	0.01
	Xylene (mixed isomers)	0.02	0.02	0.07
	Zinc (and compounds)	0.13	0.13	0.56
	n-Hexane	0.03	0.03	0.12
	1,1,1-Trichloroethane			0.04
	1,1,2,2-Tetrachloroethane			0.08
	1,2-Dibromoethane			0.002
	1,2-Dichloroethane			0.072
	Acetaldehyde			1.02
	Acrolein			0.520
	Ammonia			53.64

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS**AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant****Activity Number: PER20060002****Permit Number: 2260-00012-V1****Air - Title V Regular Permit Major Mod**

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 BC2	Antimony (and compounds)			0.028
	Arsenic (and compounds)			0.454
	Barium (and compounds)			33.010
	Benzene			9.03
	Beryllium (Table 51.1)			0.051
	Biphenyl			<0.01
	Cadmium (and compounds)			0.030
	Carbon disulfide			0.23
	Chlorine			0.15
	Chlorobenzene			0.039
	Chloroethane			0.08
	Chloroform			0.11
	Chromium VI (and compounds)			0.670
	Copper (and compounds)			1.108
	Cumene			0.01
	Dichloromethane			0.52
	Ethyl benzene			0.17
	Formaldehyde			1.820
	Hydrazine			<0.001
	Hydrochloric acid			1259.40
	Hydrofluoric acid			238.25
	Hydrogen cyanide			4.49
	Lead compounds			0.39
	Manganese (and compounds)			2.97
	Mercury (and compounds)			0.669
	Methyl chloride			0.95
	Methyl ethyl ketone			0.70
	Naphthalene			0.02
	Nickel (and compounds)			2.063
	Phenol			0.03
	Polynuclear Aromatic Hydrocarbons			0.090
	Propionaldehyde			0.68
	Selenium (and compounds)			1.102

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 BC2	Styrene			0.05
	Sulfuric acid			254.40
	Toluene			0.43
	Vinyl acetate			0.01
	Xylene (mixed isomers)			0.07
	Zinc (and compounds)			1.52
	n-Hexane			0.12

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 388867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

CRG 0001 15-01 MACT - Boiler No. 4(2B4) Case-by-Case MACT

Group Members: EQT 0021

1 [40 CFR 63.40-44]

Permittee shall calculate and record the appropriate hydrogen fluoride emissions limitation using the following formula:

$$HF = (Eb * B + Es * S) / (B + S)$$

where:

HF = applicable hydrogen fluoride emission limit, calculated in units of lb/MMBTU

Eb = 0.0003 lb/MMBTU, which is the emission limitation that applies when firing 100% bituminous coal

Es = 0.00044 lb/MMBTU, which is the emission limitation that applies when firing 100% subbituminous coal

B = total heat input provided to the boiler from the combustion of bituminous coal

S = total heat input provided to the boiler from the combustion of subbituminous coal

Permittee shall calculate this emission limitation based upon actual fuel mix that is fed to the boiler in question during any LDEQ required performance test. Compliance with this limitation shall be determined by conducting three 1-hour tests and taking the simple average of the test results.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTU, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Carbon monoxide recordkeeping by electronic or hard copy continuously. Permittee shall record each reading from the carbon monoxide continuous emissions monitor. Records shall be maintained on site for a period of no less than five (5) years and made available for inspection by DEQ personnel.

Carbon monoxide monitored by continuous emission monitor (CEM) continuously.

Permittee shall calculate and record the appropriate hydrogen chloride emissions limitation using the following formula:

$$HCl = (Eb * B + Es * S) / (B + S)$$

where:

HCl = applicable hydrogen chloride emission limit, calculated in units of lb/MMBTU

Eb = 0.0024 lb/MMBTU, which is the emission limitation that applies when firing 100% bituminous coal

Es = 0.0029 lb/MMBTU, which is the emission limitation that applies when firing 100% subbituminous coal

B = total heat input provided to the boiler from the combustion of bituminous coal

S = total heat input provided to the boiler from the combustion of subbituminous coal

Permittee shall calculate this emission limitation based upon actual fuel mix that is fed to the boiler in question during any LDEQ required performance test. Compliance with this limitation shall be determined by conducting three 1-hour tests and taking the simple average of the test results.

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-000012-V1
 Air - Title V Regular Permit Major Mod

CRG 0001 15-01 MACT - Boiler No. 4(2B4) Case-by-Case MACT

Conduct a performance/emissions test for hydrochloric acid and hydrofluoric acid: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. This test shall be repeated annually thereafter, with no less than 10 months and no more than 14 months of time elapsed between tests. The stack test's purpose is to demonstrate compliance with the emission limits of this permit. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 26A - Determination of Hydrogen Halides and Halogen Emissions from Stationary Sources - Isokinetic Method. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Air Quality Assessment Division. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Mercury monitored by continuous emission monitor (CEM) continuously.

Permittee shall calculate and record the appropriate mercury emissions limitation using the following formula:

$$\text{Hg} = (\text{Eb} * \text{B} + \text{Es} * \text{S}) / (\text{B} + \text{S})$$

where:

Hg = applicable mercury emission limit calculated in lb/GWh

Eb = 0.0075 lb/GWh, which is the emission limitation that applies when firing 100% bituminous coal

Es = 0.015 lb/GWh, which is the emission limitation that applies when firing 100% subbituminous coal

B = total electrical output generated by the boiler due to the combustion of bituminous coal

S = total electrical output generated by the boiler due to the combustion of subbituminous coal

Permittee shall recalculate this emission limitation upon each change in the fuel mix that is fed to the boiler. Compliance with this limitation shall be determined using a twelve-month rolling average.

Submit notification: Due at least 30 days prior to LDEQ required performance/emissions test to the Office of Environmental Assessment, Air Quality Assessment Division, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Mercury recordkeeping by electronic or hard copy continuously. Permittee shall record each reading from the mercury continuous emissions monitor. Records shall be maintained on site for a period of no less than five (5) years and made available for inspection by DEQ personnel. Metallic HAPs < 0.012 lb filterable PM/MMBTU, average of three one hour tests. Applies when firing all fuels. Control of filterable particulate matter is approved as a surrogate for control of metallic hazardous air pollutants (HAPs).

Permittee shall comply with all applicable monitoring, recordkeeping, and reporting requirements of 40 CFR 64 specific requirements 108 through 166 in order to control emissions of metallic Hazardous Air Pollutants (HAPs). Conduct a performance/emissions test for metallic TAPs: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest and then every five years, plus or minus 6 months, thereafter. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 29 - Determination of Metals Emissions From Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment, Environmental Technology Division, Engineering Services. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

6 [40 CFR 63.40-44]

7 [40 CFR 63.40-44]
 8 [40 CFR 63.40-44]

9 [40 CFR 63.40-44]

10 [40 CFR 63.40-44]

11 [40 CFR 63.40-44]

12 [40 CFR 63.40-44]

13 [40 CFR 63.40-44]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

CRG 0001 15-01 MACT - Boiler No. 4(2B4) Case-by-Case MACT

- 14 [40 CFR 63.40-44]
 Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 15 [40 CFR 63.40-44]
 Organic HAPs <= 0.135 lb CO/MMBTU, 30 day rolling average. Applies when firing all fuels. Control of carbon monoxide is approved as a surrogate for control of organic hazardous air pollutants (HAPs).

EQT 0008 02-01 - Transfer Tower T-20

- 16 [40 CFR 60.252(c)]
 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Particulate Matter (10 microns or less) >= 99.9% removal efficiency from filter manufacturer's certification.
- 17 [40 CFR 60.254(a)]
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
- 18 [40 CFR 60.254(b)]
 Subpart Y. [40 CFR 60.254(b)]
- 19 [LAC 33:III.1311.C]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
- 20 [LAC 33:III.501.C.6]
 Particulate Matter (10 microns or less) >= 99.9% removal efficiency from filter manufacturer's certification.
- 21 [LAC 33:III.507.H.1.a]
 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 22 [LAC 33:III.507.H.1.a]
 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 23 [LAC 33:III.507.H.1.a]
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 24 [LAC 33:III.507.H.1.a]
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semianually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 25 [LAC 33:III.509]
 Which Months: All Year Statistical Basis: None specified
 Determined as BACT in PSD-LA-677:
 Maximum Allowable Emission Rates:
- 26 [LAC 33:III.5107.A.2]
 PM10: < 0.01 lbs/hf; < 0.01 TPY; Total enclosure and vent to a baghouse.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 27 [LAC 33:III.5109.A.1]
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be full enclosure and a baghouse operating at 99.9% control efficiency.

EQT 0010 04-01 - Transfer Tower T-22/Crusher

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
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Air - Title V Regular Permit Major Mod

EQT 0010 04-01 - Transfer Tower T-22/Crusher

- 28 [40 CFR 60.252(c)] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
- 30 [40 CFR 60.254(b)] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 31 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average
 Annual Throughput <= 3.595 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 32 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Submit report: Due annually, by the 31st of March. Report the annual throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the throughput each month, as well as the throughput for the last twelve months. Make records available for inspection by DEQ personnel.
 Throughput monitored by technically sound method continuously.
- 33 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Particulate Matter (10 microns or less) >= 99.9% removal efficiency from filter manufacturer's certification.
- 34 [LAC 33:III.501.C.6] Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 35 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 36 [LAC 33:III.501.C.6] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 37 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Determined as BACT in PSD-LA-677:
 Maximum Allowable Emission Rates:
 PM10: 0.05 lbs/hr; 0.08 TPY; Total enclosure and vent to a baghouse.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 38 [LAC 33:III.507.H.1.a]
- 39 [LAC 33:III.507.H.1.a]
- 40 [LAC 33:III.507.H.1.a]
- 41 [LAC 33:III.509]
- 42 [LAC 33:III.5107.A.2]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0010 04-01 - Transfer Tower T-22/Crusher

43 [LAC 33:III.5109.A.1]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT is determined to be full enclosure and a baghouse operating at 99.9% control efficiency.

EQT 0011 05-01 - Emergency Unloading

44 [40 CFR 60.252(c)]

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a). Subpart Y. [40 CFR 60.254(a)] Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).

Subpart Y. [40 CFR 60.254(b)]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Annual Throughput <= 375000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.

Throughput monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: None specified

Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

Determined as BACT in PSD-LA-677(M-1)

Maximum Allowable Emission Rates:

PM10: 1.24 lb/hr; < 0.01 TPY; Use best management practices and periodic pile watering.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT is determined to be use of a best management practices and wet suppression systems operating at 90% control efficiency.

EQT 0021 15-01 - Boiler No. 4(2B4)

55 [40 CFR 60.42Da(b)]

Opacity <= 20 percent, except for one 6-minute period per hour of not more than 27% opacity. Subpart Da. [40 CFR 60.42Da(b)]
 Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0021 15-01 - Boiler No. 4(2B4)

- 56 [40 CFR 60.42Da(d)(1)] Particulate matter (10 microns or less) <= 0.03 lb/MMBTU (0.03 lb/J) heat input. BACT limits determined in PSD-LA-677(M-1) are more stringent. Subpart Da. [40 CFR 60.42Da(d)(1)]
- 57 [40 CFR 60.42Da(d)(2)] Which Months: All Year Statistical Basis: None specified Particulate matter (10 microns or less) >= 99.9 % reduction, determined according to the procedure in 40 CFR 60.48Da(o)(5). Subpart Da. [40 CFR 60.42Da(d)(2)]
- 58 [40 CFR 60.43Da(i)(1)(i)] Which Months: All Year Statistical Basis: None specified Sulfur dioxide <= 1.4 lb/MMWh (180 ng/J) heat input. BACT limits determined in PSD-LA-677(M-1) are more stringent. Subpart Da. [40 CFR 60.43Da(i)(1)(i)]
- 59 [40 CFR 60.44Da(e)(1)] Which Months: All Year Statistical Basis: Thirty-day rolling average Nitrogen oxides <= 1.0 lb/MMWh (130 ng/J) heat input. BACT limits determined in PSD-LA-677(M-1) are more stringent. Subpart Da. [40 CFR 60.44Da(e)(1)]
- 60 [40 CFR 60.44Da(a)] Apply to DEQ for a commercial demonstration permit when proposing to demonstrate an emerging technology. Subpart Da. [40 CFR 60.47Da(a)]
- 61 [40 CFR 60.48Da(c)] Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)]
- 62 [40 CFR 60.48Da(c)] Comply with the particulate matter emission standards under 40 CFR 60.42Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)]
- 63 [40 CFR 60.48Da(d)] During emergency conditions in the principal company, do not operate an affected facility with a malfunctioning flue gas desulfurization system unless sulfur dioxide emissions are minimized in accordance with the requirements of 60.46Da(d)(1) through (d)(3). Subpart Da. [40 CFR 60.48Da(d)]
- 64 [40 CFR 60.48Da(e)] Show compliance with the nitrogen oxides standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate. Compliance is met with the installation and operation of a certified CEMS for NOx. Subpart Da. [40 CFR 60.48Da(e)]
- 65 [40 CFR 60.48Da(e)] Show compliance with the sulfur dioxide standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate and percent reduction. Compliance is met with the installation and operation of a certified CEMS for SO2. Subpart Da. [40 CFR 60.48Da(e)]
- 66 [40 CFR 60.48Da(f)] Schedule the initial performance test so that the first boiler operating day of the 30 successive boiler operating days is completed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of the facility. Subpart Da. [40 CFR 60.48Da(f)]
- 67 [40 CFR 60.48Da(g)(1)] Determine compliance with the SO2 and NOx emission standards by calculating the arithmetic average of all hourly emission rates for SO2 and NOx for the 30 successive boiler operating days, except for data obtained during startup, shutdown, malfunction (NOx only), or emergency conditions (SO2 only). Subpart Da. [40 CFR 60.48Da(g)(1)]
- 68 [40 CFR 60.48Da(g)(2)] Determine compliance with SO2 percentage reduction requirements based on the average inlet and outlet SO2 emission rates for the 30 successive boiler operating days. Subpart Da. [40 CFR 60.48Da(g)(2)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0021 15-01 - Boiler No. 4(2B4)

- 69 [40 CFR 60.48Da(e)(3)] Determine compliance with particulate matter emission limitations by calculating the arithmetic average of all hourly emission rates for particulate matter each boiler operating day, except for data obtained during startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(g)(3)]
- 70 [40 CFR 60.48Da(h)] If an owner or operator has not obtained the minimum quantity of emission data as required under 40 CFR 60.49Da of this subpart, compliance of the affected facility with the emission requirements under 40 CFR 60.43Da and 40 CFR 60.44Da of this subpart for the day on which the 30-day period ends may be determined by the Administrator by following the applicable procedures in section 7 of Method 19. Subpart Da. [40 CFR 60.48Da(h)]
- 71 [40 CFR 60.48Da(i)] Calculate NO_x emissions by multiplying the average hourly NO_x output concentration, measured according to the provisions of 40 CFR 60.49Da(c), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(l), and dividing by the average hourly gross energy output, measured according to the provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(i)]
- 72 [40 CFR 60.48Da(m)] Calculate SO₂ emissions by multiplying the average hourly SO₂ output concentration, measured according to the provisions of 40 CFR 60.49Da(b), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(l), and divided by the average hourly gross energy output, measured according to provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(m)]
- An owner or operator must use opacity monitoring equipment as an indicator of continuous particulate matter control device performance and demonstrate compliance with 40 CFR 60.42Da(b). In addition, baseline parameters shall be established as the highest hourly opacity average measured during the performance test. If any hourly average opacity measurement is more than 110 percent of the baseline level, the owner or operator will conduct another performance test within 60 days to demonstrate compliance. A new baseline is established during each stack test. The new baseline shall not exceed the opacity limit specified in 40 CFR 60.42Da(b). Subpart Da. [40 CFR 60.48Da(o)(2)]
- 73 [40 CFR 60.48Da(o)(2)] Except as provided in paragraph (p) of this section, the owner or operator of an affected facility for which construction, reconstruction, or modification commenced after February 28, 2005, shall demonstrate compliance with each applicable emission limit according to the requirements in paragraphs (o)(1) through (o)(5) of this section. Subpart Da. [40 CFR 60.48Da(o)]
- 74 [40 CFR 60.48Da(o)] As an alternative to meeting the compliance provisions specified in paragraph (o) of this section, an owner or operator may elect to install, certify, maintain, and operate a continuous emission monitoring system measuring particulate matter emissions discharged from the affected facility to the atmosphere and record the output of the system as specified in paragraphs (p)(1) through (p)(8) of this section. Subpart Da. [40 CFR 60.48Da(p)]
- 75 [40 CFR 60.48Da(p)] Opacity recordkeeping by electronic or hard copy continuously, except as provided for in 40 CFR 60.49Da(t) and (u). Subpart Da. [40 CFR 60.49Da(a)]
- 76 [40 CFR 60.49Da(a)] Opacity monitored by continuous opacity monitor (COM) continuously, except as provided for in 40 CFR 60.49Da(t) and (u). If opacity interference due to water droplets exists in the stack, monitor opacity upstream of the interference (at the inlet to the FGD system). If opacity interference is experienced at all locations, monitor alternate parameters indicative of the particulate matter control system's performance (subject to the approval of DEQ). Subpart Da. [40 CFR 60.49Da(a)]
- 77 [40 CFR 60.49Da(a)] Which Months: All Year Statistical Basis: Six-minute average
- 78 [40 CFR 60.49Da(b)] Sulfur dioxide recordkeeping by electronic or hard copy continuously. Subpart Da. [40 CFR 60.49Da(b)]
- 79 [40 CFR 60.49Da(b)] Sulfur dioxide monitored by CMS continuously. Monitor at both the inlet and outlet of the sulfur dioxide control device. Subpart Da. [40 CFR 60.49Da(b)]
- Which Months: All Year Statistical Basis: One-hour average

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air : Title V Regular Permit Major Mod

EQT 0021 15-01 - Boiler No. 4(2B4)

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|----|------------------------|---|
| 80 | [40 CFR 60.49Da(c)(2)] | If the owner or operator has installed a NOX emission rate continuous emission monitoring system (CEMS) to meet the requirements of Part 75 of this chapter and is continuing to meet the ongoing requirements of Part 75 of this chapter, that CEMS may be used to meet the requirements of this section, except that the owner or operator shall also meet the requirements of 40 CFR 60.51Da. Data reported to meet the requirements of 40 CFR 60.51Da shall not include data substituted using the missing data procedures in subpart D of part 75 of this chapter, nor shall the data have been bias adjusted according to the procedures of part 75 of this chapter. Subpart Da. [40 CFR 60.49Da(c)(2)] |
| 81 | [40 CFR 60.49Da(d)] | Oxygen or Carbon dioxide monitored by CMS continuously. Monitor the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)] |
| 82 | [40 CFR 60.49Da(d)] | Which Months: All Year Statistical Basis: One-hour average Oxygen or Carbon dioxide recordkeeping by electronic or hard copy continuously. Record the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)] |
| 83 | [40 CFR 60.49Da(e)] | The CMS under 40 CFR 60.49Da(b), (c), & (d) are operated and data recorded during all periods of operation of the affected facility including periods of startup, shutdown, malfunction or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments. Subpart Da. [40 CFR 60.49Da(e)] |
| 84 | [40 CFR 60.49Da(f)(2)] | Obtain emission data for at least 90 percent of all operating hours for each 30 successive boiler operating days. If this minimum data requirement cannot be met with a continuous monitoring system, supplement emission data with other monitoring systems approved by DEQ or the reference methods and procedures as described in 40 CFR 60.49Da(h). Subpart Da. [40 CFR 60.49Da(f)(2)] |
| 85 | [40 CFR 60.49Da(g)] | The 1-hour averages required under paragraph 40 CFR 60.13(h) are expressed in ng/J (lb/million BTU) heat input and used to calculate the average emission rates under 40 CFR 60.48Da. The 1-hour averages are calculated using the data points required under 40 CFR 60.13(b). At least two data points must be used to calculate the 1-hour averages. Subpart Da. [40 CFR 60.49Da(g)] |
| 86 | [40 CFR 60.49Da(h)] | When it becomes necessary to supplement CMS data to meet the minimum data requirements in 40 CFR 60.49Da(f), the owner or operator shall use the reference methods and procedures as specified in 40 CFR 60.49Da(h)(1) - (h)(4). Acceptable alternative methods and procedures are given in 40 CFR 60.49Da(j). Subpart Da. [40 CFR 60.49Da(h)] |
| 87 | [40 CFR 60.49Da(i)] | The owner or operator shall use methods and procedures in 40 CFR 60.49Da(i)(1) - (5) to conduct monitoring system performance evaluations under 40 CFR 60.13(c) and calibration checks under 40 CFR 60.13(d). Acceptable alternative methods and procedures are given in 40 CFR 60.49Da(j). Subpart Da. [40 CFR 60.49Da(i)] |
| 88 | [40 CFR 60.49Da(l)] | The owner or operator of an affected facility demonstrating compliance with an output-based standard under 40 CFR 60.42Da, 40 CFR 60.43Da, 40 CFR 60.44Da, or 40 CFR 60.45Da shall install, certify, operate, and maintain a continuous flow monitoring system meeting the requirements of Performance Specification 6 of appendix B and procedure 1 of appendix F of this subpart, and record the output of the system, for measuring the flow of exhaust gases discharged to the atmosphere. Subpart D. [40 CFR 60.49Da(l)] |
| 89 | [40 CFR 60.49Da(m)] | Alternatively, data from a continuous flow monitoring system certified according to the requirements of 40 CFR 75.20, meeting the applicable quality control and quality assurance requirements of 40 CFR 75.21, and validated according to 40 CFR 75.23, may be used. Subpart Da. [40 CFR 60.49Da(m)] |
| 90 | [40 CFR 60.49Da(s)] | Submit plan: Due to DEQ for approval of a unit-specific monitoring plan for each monitoring system, at least 45 days before commencing certification testing of the monitoring systems. Address in the plan the requirements in 40 CFR 60.49Da(s)(1) through (6). Subpart Da. [40 CFR 60.49Da(s)] |

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SPECIFIC REQUIREMENTS

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 Permit Number: 2260-00012-V1
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EQT 0021 15-01 - Boiler No. 4(2B4)

- 91 [40 CFR 60.50Da(a)] Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. 40 CFR 60.8(f) does not apply for SO₂ and NO_x. Subpart Da. [40 CFR 60.50Da(a)] Determine compliance with the particulate matter and opacity standards in 40 CFR 60.42Da using the methods and procedures specified in 40 CFR 60.50Da(b)(1) through (b)(3). Subpart Da. [40 CFR 60.50Da(b)] Determine compliance with the sulfur dioxide standards in 40 CFR 60.43Da using the methods and procedures specified in 40 CFR 60.50Da(c)(1) through (c)(5). Subpart Da. [40 CFR 60.50Da(c)] Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1) and (d)(2). Subpart Da. [40 CFR 60.50Da(d)] Use the procedures in 40 CFR 60.50Da(g)(1) through (2) to calculate emission rates based on electrical output to the grid plus half of the equivalent electrical energy in the unit's process stream, for the purposes of determining compliance with the emission limits in 40 CFR 60.45Da and 60.46Da. Subpart Da. [40 CFR 60.50Da(g)] Submit the performance test data from the initial performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)] Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(b)(1) through (b)(9) for each 24-hour period. Subpart Da. [40 CFR 60.51Da(b)] Submit report: Due semiannually for each six-month period. If the minimum quantity of emission data as required by 40 CFR 60.49Da is not obtained for any 30 successive boiler operating days, report the information specified in 40 CFR 60.51Da(c)(1) through (c)(5), obtained under the requirements of 40 CFR 60.48Da(h), for that 30-day period. Subpart Da. [40 CFR 60.51Da(c)] Submit a signed statement if any standards under 40 CFR 60.43Da are exceeded during emergency conditions because of control system malfunction. Indicate if emergency conditions existed and requirements under 40 CFR 60.48Da(d) were met during each period. List the time periods the emergency condition existed; the electrical output and demand on the electric utility system and the affected facility; the amount of power purchased from interconnected neighboring utility companies during the emergency period; the percent reduction in emissions achieved; the atmospheric emission rate (mg/J) of the pollutant discharged; and the actions taken to correct control system malfunction. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(d)] Submit a signed statement indicating if any changes were made in operation of the emission control system during periods of data unavailability for any periods for which opacity, sulfur dioxide or nitrogen oxides emissions data are not available. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(f)] Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(g)(1) through (5). Subpart Da. [40 CFR 60.51Da(g)] Submit a signed statement indicating whether the required continuous monitoring system calibration, span, and drift checks or other periodic audits have or have not been performed as specified; the data used to show compliance was or was not obtained in accordance with approved methods and procedures of 40 CFR 60 and is representative of plant performance; the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; and compliance with the standards has or has not been achieved during the reporting period. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(h)] Submit excess emissions report: Due quarterly. Submit opacity levels in excess of the applicable opacity standard and the date of such excesses. Subpart Da. [40 CFR 60.51Da(i)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0021 15-01 - Boiler No. 4(2B4)

- 104 [40 CFR 60.51Da(j)] The owner or operator of an affected facility shall submit the written reports required under this section and subpart A to the Administrator semiannually for each six-month period. All semiannual reports shall be postmarked by the 30th day following the end of each six-month period.
 Subpart Da. [40 CFR 60.51Da(j)]
- The owner or operator of an affected facility may submit electronic quarterly reports for SO₂ and/or NO_X and/or opacity and/or Hg in lieu of submitting the written reports required under 40 CFR 60.51(b), 51(g), or 51(i) of this section. The format of each quarterly electronic report shall be coordinated with the permitting authority. The electronic report(s) shall be submitted no later than 30 days after the end of the calendar quarter and shall be accompanied by a certification statement from the owner or operator, indicating whether compliance with the applicable emission standards and minimum data requirements of this subpart was achieved during the reporting period. Before submitting reports in the electronic format, the owner or operator shall coordinate with the permitting authority to obtain their agreement to submit reports in the alternative format. Subpart Da. [40 CFR 60.51Da(k)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of all information needed to demonstrate compliance including performance tests, monitoring data, fuel analyses, and calculations, consistent, with the requirements of 40 CFR 60.7(f). Subpart Da.
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Provide notifications in accordance with 40 CFR 60.7(a). Subpart Da.
- Specific QA/QC Procedures: Permittee shall follow the testing protocol established in 40 CFR 60.50Da(b)(2), 40 CFR 60 Appendix A, Reference Method 5, for the PM10 stack tests of the baghouse or alternate method approved by LDEQ. [40 CFR 64.3(b)(3)]
- Specific QA/QC Procedures: Permittee shall follow the testing protocol established in 40 CFR 60 Appendix A, Reference Method 8 or 8A, for the H₂SO₄ stack tests of the wet scrubber or alternate method approved by LDEQ. [40 CFR 64.3(b)(3)]
- Specific QA/QC Procedures: Permittee shall calibrate, maintain, and operate the pH meter for the wet scrubber according to manufacturer's specifications. [40 CFR 64.3(b)(3)]
- Specific QA/QC Procedures: Permittee shall follow all QA/QC as required for a Continuous Opacity Monitoring System (COMs) on the baghouse. [40 CFR 64.3(b)(3)]
- Specific QA/QC Procedures: Permittee shall calibrate, maintain, and operate instrumentation to check liquid flow rate on the wet scrubber according to manufacturer's specifications. [40 CFR 64.3(b)(3)]
- Comply with the submitted implementation plan and schedule for installing, testing and performing any other appropriate activities prior to use of the monitoring, if any of the approved monitoring in this permit requires installation, testing, or other necessary activities prior to use of the monitoring for purposes of 40 CFR 64. Implement monitoring as expeditiously as practicable after approval of the monitoring pursuant to 40 CFR 64.6, but in no case shall the period for completing installation and beginning operation of the monitoring exceed 180 days after approval of the permit. [40 CFR 64.4(e)]
- Liquid flow rate of the scrubber monitored continuously by liquid flow meter at pump discharge. [40 CFR 64.6(c)(1)]
- Permittee shall perform stack testing using 40 CFR 60 Appendix A, Reference Method 5 to ensure compliance with the PM10 limitation of 98.50 lb/hr, once EQT021, 15-01 - Boiler No. 4(2B4), is operating at full load, at the mid-point connection of the stack flue. The testing location shall meet 40 CFR 60 Appendix A, Reference Method 1 criteria. [40 CFR 64.6(c)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0021 15-01 - Boiler No. 4(2B4)

- 116 [40 CFR 64.6(c)(1)]
 Permittee shall perform stack testing using 40 CFR 60, Appendix A, Reference Method 8 or 8A, to ensure compliance with the H₂SO₄ emission limitation of 49.2 lb/hr, once EQT021, 15-01 - Boiler No. 4(2B4), is operating at full load, at the mid-point connection of the stack flue. The testing location shall meet 40 CFR 60 Appendix A, Reference Method 1 criteria. [40 CFR 64.6(c)(1)]
- 117 [40 CFR 64.6(c)(1)]
 Opacity monitored continuously by a COMs at the exit stack for the boiler, or at an appropriate point in the flue gas stream per wet stack conditions. [40 CFR 64.6(c)(1)]
- 118 [40 CFR 64.6(c)(1)]
 Liquid pH of the scrubber monitored hourly by a pH meter at the scrubber liquid effluent. [40 CFR 64.6(c)(1)]
- 119 [40 CFR 64.6(c)(1)]
 Permittee shall monitor the visible emissions by visual inspection/determination daily, when the COMs is not operating. If visible emissions are observed, then opacity monitored by 40 CFR 60, Appendix A, Method 9 within one hour using a trained observer if corrective actions have not been completed. Method 9 Recordkeeping by manual logging upon measurement. The Method 9 Observations shall consist of 24 consecutive readings at 15 second intervals. The average of the 24 readings shall be the opacity record. [40 CFR 64.6(c)(1)]
- 120 [40 CFR 64.6(c)(2)]
 An excursion or exceedance, for the stack test of the wet scrubber, is defined as an actual measurement, based upon a full 40 CFR 60 Appendix A, Reference Method 8 or 8A test, in excess of the applicable H₂SO₄ limit of 49.2 lb/hr. An excursion shall trigger an inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 121 [40 CFR 64.6(c)(2)]
 An excursion or exceedance, for the stack test of the baghouse, is defined as an actual measurement, based upon a full 40 CFR 60, Appendix A, Reference Method 5 test, in excess of the applicable PM10 limit of 98.50 lb/hr. An excursion shall trigger an inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 122 [40 CFR 64.6(c)(2)]
 An excursion or exceedance for the liquid pH of the wet scrubber is defined as an pH meter reading which exceeds the indicator range, established during the stack test while EQT021, 15-01 - Boiler No. 4(2B4), is in normal operation. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 123 [40 CFR 64.6(c)(2)]
 Submit Notification: Due at the DEQ upon the establishment or reestablishment of any exceedance or excursion level, for purposes of responding to and reporting exceedances or excursions under 40 CFR 64.7 and 64.8. [40 CFR 64.6(c)(2)]
- 124 [40 CFR 64.6(c)(2)]
 An excursion or exceedance is defined as an Opacity > 20 percent verified by using 40 CFR 60 Appendix A Method 9 at a time other than the daily observation. An excursion is also any missed daily visible emission observation that is not due to weather conditions. [40 CFR 64.6(c)(2)]
- 125 [40 CFR 64.6(c)(2)]
 An excursion or exceedance for the Continuous Opacity Monitoring System (COMS) is defined as an opacity reading which exceeds the indicator range, established during the stack test while EQT021, 15-01 - Boiler No. 4(2B4), is in normal operation. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 126 [40 CFR 64.6(c)(2)]
 An excursion or exceedance for the liquid flow meter on the wet scrubber is defined as a liquid flow rate which exceeds the indicator range, established during the stack test while EQT021, 15-01 - Boiler No. 4(2B4), is in normal operation. Excursions will trigger inspection, corrective action, and documentation as needed. [40 CFR 64.6(c)(2)]
- 127 [40 CFR 64.6(c)(4)]
 Stack test results of the baghouse recordkeeping by manually logging upon measurement.. Stack tests shall consist of three 1-hour stack tests using 40 CFR 60, Appendix A, Reference Method 5, under normal operation. [40 CFR 64.6(c)(4)]
- 128 [40 CFR 64.6(c)(4)]
 Scrubber liquid pH recordkeeping by strip chart, round chart, or data acquisition (DAS) system/electronic data storage hourly. [40 CFR 64.6(c)(4)]
- 129 [40 CFR 64.6(c)(4)]
 Visible emissions recordkeeping by manual logging upon measurement. [40 CFR 64.6(c)(4)]
- 130 [40 CFR 64.6(c)(4)]
 Flow rate recordkeeping by strip chart, round chart, or data acquisition (DAS) system/electronic data storage continuously. [40 CFR 64.6(c)(4)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
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 Permit Number: 2260-00112-V1
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EQT 0021 15-01 - Boiler No. 4(2B4)

- Opacity recordkeeping by logbook method upon measurement. The opacity data shall consist of three hour block averages of the 6 minute readings. [40 CFR 64.6(c)(4)]
- Stack test results of the wet scrubber recordkeeping by manually logging upon measurement. Stack tests shall consist of three tests using 40 CFR 60, Appendix A, Reference Method 8 or 8A, under normal operation. [40 CFR 64.6(c)(4)]
- Schedule for installation or final verification of operational status: Permittee shall establish indicator range for opacity using COMS, which correlates with the PM10 emission readings gathered in the stack tests. The stack tests for PM10 emissions are to be conducted once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load. The indicator range for opacity using the COMS is due within 180 days after initial start-up (or restart-up after modification), or within 60 days after achieving normal operations. [40 CFR 64.6(d)]
- Schedule for installation or final verification of operational status: Permittee shall establish indicator range for the liquid pH of the wet scrubber, which correlates with the H₂SO₄ emission readings gathered in the stack tests. The stack tests for H₂SO₄ emissions are to be conducted once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load. The indicator range for liquid pH of the wet scrubber is due within 180 days after initial start-up (or restart-up after modification), or within 60 days after achieving normal operations. [40 CFR 64.6(d)]
- Schedule for installation, testing or final verification of operational status: Permittee shall conduct three stack tests to establish indicator range for H₂SO₄ emissions, once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load, using 40 CFR 60, Appendix A, Reference Method 8 or 8A for H₂SO₄ emissions. Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. [40 CFR 64.6(d)]
- Schedule for installation, testing or final verification of operational status: Permittee shall conduct three 1-hour stack tests to establish indicator range for PM10 emissions, once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load, using 40 CFR 60, Appendix A, Reference Method 5 for PM10 emissions. Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. [40 CFR 64.6(d)]
- Schedule for installation or final verification of operational status: Permittee shall establish indicator range for the liquid flow rate in the wet scrubber, which correlates with the H₂SO₄ emission readings gathered in the stack tests. The stack tests for H₂SO₄ emissions are to be conducted once the boiler, EQT021, 15-01 - Boiler No. 4 (2B4), is operating at full load. The indicator range for the liquid flow rate in the wet scrubber is due within 180 days after initial start-up (or restart-up after modification), or within 60 days after achieving normal operations. [40 CFR 64.6(d)]
- Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]
- Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
- Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the dust collector. Trained observers shall maintain certification by completing the semi-annual qualification procedure specified in Method 9. [40 CFR 64.7(b)]
- 131 [40 CFR 64.6(c)(4)]
- 132 [40 CFR 64.6(c)(4)]
- 133 [40 CFR 64.6(d)]
- 134 [40 CFR 64.6(d)]
- 135 [40 CFR 64.6(d)]
- 136 [40 CFR 64.6(d)]
- 137 [40 CFR 64.6(d)]
- 138 [40 CFR 64.7(a)]
- 139 [40 CFR 64.7(b)]
- 140 [40 CFR 64.7(b)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

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EQT 0021 15-01 - Boiler No. 4(2B4)

141 [40 CFR 64.7(c)]

Conduct liquid flow rate monitoring for the wet scrubber required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, using a liquid flow meter, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]

142 [40 CFR 64.7(c)]

Conduct stack tests, develop and maintain indicator range, to monitor baghouse performance as required under 40 CFR 64, once during the lifetime of this permit, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]

143 [40 CFR 64.7(c)]

Conduct stack tests, develop and maintain indicator range, to monitor wet scrubber performance as required under 40 CFR 64, once during the lifetime of this permit, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]

144 [40 CFR 64.7(c)]

Conduct all opacity monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, using COMs, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]

145 [40 CFR 64.7(c)]

Conduct all liquid pH monitoring for the wet scrubber required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, using a pH meter, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)] Restore operation of the wet scrubber to its normal or usual manner of operation as expeditiously as practicable upon detecting visible emissions or an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0021 15-01 - Boiler No. 4(2B4)

- 147 [40 CFR 64.7(d)(1)] Restore operation of the baghouse to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]
- 148 [40 CFR 64.7(e)] Submit written notification: Due to the Office of Environmental Compliance within 30 days upon identifying a failure to achieve compliance with the LAC 33:III.1101.B emission limitation or the LAC 33:III.1313.C standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 149 [40 CFR 64.7(e)] Submit written notification: Due to the Office of Environmental Compliance within 7 days upon identifying a failure to achieve compliance with the 20% opacity emission limitation for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 150 [40 CFR 64.7(e)] Submit written notification: Due to the Office of Environmental Compliance within 30 days upon identifying a failure to achieve compliance with the LAC 33:III.1503.C emission limitation or standard for which, after approval of monitoring under 40 CFR 64, the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions. If necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. [40 CFR 64.7(e)]
- 151 [40 CFR 64.8(a)] Threshold Limit: A threshold limit is defined as six exceedances of the limitation during any twelve month consecutive period. Upon exceeding the threshold limit, develop and implement a Quality Improvement Plan (QIP) as expeditiously as practical. [40 CFR 64.8(a)]
- 152 [40 CFR 64.8(b)] Maintain a written Quality Improvement Plan (QIP) and have it available for inspection. Include initially in the plan procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, modify the plan to include procedures for conducting one or more of the actions specified in 40 CFR 64.8(b)(2)(i) through (b)(2)(v), as appropriate. [40 CFR 64.8(b)]
- 153 [40 CFR 64.8(c)] Develop and implement a Quality Improvement Plan (QIP) as expeditiously as practicable. [40 CFR 64.8(c)]
- 154 [40 CFR 64.8(c)] Submit notification: Notify the DEQ if the period for completing the improvements contained in the Quality Improvement Plan (QIP) exceeds 180 days from the date on which the need to implement the QIP was determined. [40 CFR 64.8(c)]
- 155 [40 CFR 64.8(d)] Make reasonable changes to the Quality Improvement Plan (QIP) as the DEQ requires, upon any determination pursuant to 40 CFR 64.7(d)(2) subsequent to implementation. [40 CFR 64.8(d)]
- 156 [40 CFR 64.9(a)] Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 157 [40 CFR 64.9(b)(1)] Stack test results of H₂SO₄ emissions of the wet scrubber recordkeeping by manually logging results directly after tests are taken. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]

SPECIFIC REQUIREMENTS

AJ ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2280-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0021 15-01 - Boiler No. 4(2B4)

- 158 [40 CFR 64.9(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 159 [40 CFR 64.9(b)(1)] Opacity recordkeeping by continuous opacity monitor (COM) continuously. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 160 [40 CFR 64.9(b)(1)] Monitoring data recordkeeping by electronic or hard copy as needed. Maintain records of Method 9 semi-annual qualification certification. Monitoring data recordkeeping by electronic or hard copy continuously. The installed air filter shall have corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 161 [40 CFR 64.9(b)(1)] Filter certification of the MERV Performance Test Data recordkeeping by electronic or hard copy continuously. The installed air filter shall have a Minimum Efficiency Reporting Value (MERV per ASHRAE Standard 52.2) equal to or greater than 16 at the tested air velocity in feet per minute. After stack tests are complete, permittee shall submit the tested air velocity in feet per minute to the Louisiana Department of Environmental Quality, Office of Environmental Services, Air Permits Division. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 162 [40 CFR 64.9(b)(1)] Scrubber liquid pH recordkeeping by a pH meter hourly to document pH. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]. [40 CFR 64.9(b)(1)]
- 163 [40 CFR 64.9(b)(1)] Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 164 [40 CFR 64.9(b)(1)] Flow rate recordkeeping by strip chart, round chart, or data acquisition (DAS) system/electronic data storage continuously to document liquid flow. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 165 [40 CFR 64.9(b)(1)] Stack test results of PM10 emissions of the baghouse recordkeeping by manually logging results directly after tests are taken. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 166 [40 CFR 64.] As an alternative to the Continuous Opacity Monitoring System (COMS) to check opacity at the baghouse, the permittee may install, calibrate, operate, and maintain a Particulate Matter Continuous Emission Monitoring System (PM CEMS). In the event a PM CEMS is selected, the permittee shall comply with Performance Specification 11 of 40 CFR 60 Appendix B and the QA/QC provisions of Procedure 2 of 40 CFR 60 Appendix F. Permittee shall also submit to the Louisiana Department of Environmental Quality for approval a detailed Compliance Assurance Monitoring (CAM) Plan for the PM CEMS.
- 167 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 168 [LAC 33:III.1305] Which Months: All Year Statistical Basis: None specified Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

SPECIFIC REQUIREMENTS

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 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
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EQT 0021 15-01 - Boiler No. 4(2B4)

- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- Which Months: All Year Statistical Basis: None specified
- Sulfur dioxide <= 2000 ppmv at standard conditions.
- Which Months: All Year Statistical Basis: Three-hour average
- Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III:Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:III:Chapter 39.
- Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III:918. Report data required to demonstrate compliance with the provisions of LAC 33:III:Chapter 15.
- Determined as BACT in PSD-LA-677(M-1):
- Maximum Allowable Emission Rates:
- PM/PM10*: 0.015 lb/MM BTU (filterable); 98.5 lb/hr; 431.4 TPY; Use of a fabric filter.
- SO2: 0.10 lb/MM BTU (30-day rolling average); 1,516.7 lb/hr; 2,875.9 TPY; Wet flue gas desulfurization.
- NOX: 0.07 lb/MM BTU (30-day rolling average); 758.9 lb/hr; 2,013.1 TPY; Combination of low-NOX burners and selective catalytic reduction.
- CO: 0.135 lb/MM BTU; 1,772.8 lb/hr; 3,882.5 TPY; Combustion control.
- VOC: 0.0034 lb/MM BTU; 22.3 lb/hr; 97.8 TPY; Combustion control.
- H2SO4 Mist: 0.0075 lb/MM BTU; 49.2 lb/hr; 215.7 TPY; Wet flue gas desulfurization and sorbent injection upstream of the baghouse.
- Flourides**: 0.00056 lb/MM BTU; 13.85 lb/hr; 60.66 TPY; Combined use of sorbent injection and wet flue gas desulfurization.
- * PM/PM10 limit is more stringent under case-by-case MACT.
- ** Flourides limit is more stringent under case-by-case MACT.
- Permittee shall demonstrate compliance with the VOC limits by performing stack tests on EQT021, 15-01 - Boiler No. 4(2B4). The following test method and procedure from New Source Performance Standards (NSPS), 40 CFR 60, Appendix A, shall be used: Volatile Organic Compound (VOC) by Method 25A - Determination of Total Gaseous Concentration using a Flame Ionization Analyzer. Alternate stack test methods may be used with the prior approval of the Office of Environmental Assessment, Environmental Technology Division. Carbon Monoxide (CO) emissions from EQT021, 15-01 - Boiler No. 4(2B4), shall be monitored by a Continuous Emission Monitoring System (CEMS) calibrated, operated, and maintained according to manufacturers' specifications. The CO CEMS shall be certified according to Performance Specification 4 of 40 CFR 60 Appendix B. QA/QC provisions of Procedure 1 of 40 CFR 60 Appendix F shall also apply.

EQT 0022 16-01 - Cooling Tower 3

SPECIFIC REQUIREMENTS

AI ID: 388867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0022 16-01 - Cooling Tower 3

178 [LAC 33:III.509]

Determined as BACT in PSD-LA-677;

Maximum Allowable Emission Rates:

PM10: 7.16 lb/hr; 20.90 TPY; Mechanical drift eliminator designed to achieve a drift rate of 0.002%.

EQT 0023 17-01 - Unit 4 Ash Silo

179 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Particulate Matter (10 microns or less) >= 99.9% removal efficiency from filter manufacturer's certification.

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Determined as BACT in PSD-LA-677(M-1);

Maximum Allowable Emission Rates:

PM10: 0.39 lb/hr; 1.70 TPY; Silos vent emissions to a filter system which reduces emissions by 99%. Sold ash to off-site customers is loaded into sealed trucks or covered trucks (wetted) and emissions are routed to filter system. Ash that is stored in the on-site landfill is first conditioned to approximately 12% moisture then transferred to trucks.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be a filter system which reduces emissions by 99.9%.

EQT 0027 2B1 - Boiler No. 1

188 [40 CFR 60.42(b)(1)]

Particulate matter (10 microns or less) <= 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood reside. Subpart D. [40 CFR 60.42(a)(1)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0027 2B1 - Boiler No. 1

- Opacity <= 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
 Which Months: All Year Statistical Basis: Six-minute average
 Sulfur dioxide <= 1.2 lb/MMBTU. Subpart D. [40 CFR 60.43(a)(2)]
 Which Months: All Year Statistical Basis: None specified
 Nitrogen oxides <= 0.70 lb/MMBTU. Limits established in Acid Rain Permit No. 2260-00012-IV3 are more stringent. Subpart D. [40 CFR 60.44(a)(3)]
- Which Months: All Year Statistical Basis: None specified
 Submit excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year.
 Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Excess emissions for opacity, SO₂, and NO_X are defined by 40 CFR 60.45(g)(1), (2)(i), & (3). Subpart D. [40 CFR 60.45(g)]
 Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.
- Which Months: All Year Statistical Basis: None specified
 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.
- Which Months: All Year Statistical Basis: None specified
 Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.
- Which Months: All Year Statistical Basis: None specified
 Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.
- Which Months: All Year Statistical Basis: None specified
 Determine compliance with the PM-opacity, SO₂, and NO_X standards in 40 CFR 60.42, 60.43, and 60.44 using the reference methods and procedures detailed in 40 CFR 60.46(b). Subpart D. [40 CFR 60.46(b)]
- PM10/HAPs: Submit the information required under 40 CFR 64.4 as part of an application for a renewal of the Part 70 permit, unless an earlier submittal becomes necessary pursuant to 40 CFR 64.5(a)(2). Affected HAPs include As, Be, Cr, Co, Pb, Mn, Ni, and Se. Ba, Cu, Zn, H₂SO₄, & NH₃ are not federally regulated HAPs.
- The ESP is the final PM10/HAP control device, except for HCl, HF, & Hg. Sh, Cd, & Hg pre-control device emissions are less than the major source threshold of 10 TPY. 40 CFR 64.2(a)(3). [40 CFR 64.5(a)(3)]
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0027 2B1 - Boiler No. 1

- 201 [LAC 33:III.13.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
 Sulfur dioxide <= 2000 ppmv at standard conditions.
- 202 [LAC 33:III.1503.C] Which Months: All Year Statistical Basis: Three-hour average
 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 39.
- 203 [LAC 33:III.1513] Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:III.918. Record and keep on site for at least two years equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record all emissions data in the units of the standard the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 204 [LAC 33:III.1513] The provisions of LAC 33:III.2201 apply during the ozone season, May 1 through September 30, of each year. During the remainder of the year, the NOX limit imposed by Acid Rain Permit 2260-00012-IV3 is most stringent.
- 205 [LAC 33:III.1513] Nitrogen oxides <= 0.21 lb/MMBTU by use of a facility-wide averaging plan as an alternative means of compliance with the emission factors of LAC 33:III.2201.D.
- 206 [LAC 33:III.2201.A.2] Which Months: May-Sep Statistical Basis: Thirty-day rolling average
 For any electric power generating system boiler that operates with a combination of fuels, if the secondary fuel is less than 10% of the weighted average, complying with the unadjusted limit for the primary fuel is allowed. Boiler is started with fuel oil.
- 207 [LAC 33:III.2201.D.1] Demonstrate compliance as an alternative means with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.b.i or the method in LAC 33:III.2201.E.1.b.ii.
- 208 [LAC 33:III.2201.D.2.c] Fuel monitored by totalizer continuously. Monitor gas and/or liquid fuel usage with a totalizing fuel meter. Provide belt scales or an equivalent device for coal-fired boilers.
- 209 [LAC 33:III.2201.E.1.b] Which Months: May-Sep Statistical Basis: None specified
 Diluent - either Oxygen or Carbon dioxide monitored by the regulation's specified method(s) continuously. Monitor oxygen or carbon dioxide with a diluent monitor that meets all of the requirements of performance specification 3 of 40 CFR 60, Appendix B.
- 210 [LAC 33:III.2201.H.1.b.ii] Which Months: May-Sep Statistical Basis: None specified
 Implement procedures to operate the boiler within the fuel and oxygen limits established during the initial compliance run in accordance with LAC 33:III.2201.G to continuously demonstrate compliance with the NO_x limits of LAC 33:III.2201.D or E.
- 211 [LAC 33:III.2201.H.1.b.ii] Nitrogen oxides monitored by continuous emission monitor (CEM) continuously to demonstrate continuous compliance with the NO_x emission factors of LAC 33:III.2201.D or E. Ensure that the CEMS meets all of the requirements of 40 CFR Part 60.13 and performance specification 2 of 40 CFR 60, Appendix B, or the requirements of 40 CFR Part 75 for units regulated under the Acid Rain Program.
- 212 [LAC 33:III.2201.H.1.b.iii] Which Months: May-Sep Statistical Basis: None specified
 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide with a CO monitor that meets all of the requirements of performance specification 4 of 40 CFR 60, Appendix B.
- 213 [LAC 33:III.2201.H.1.b.iii] Nitrogen oxides monitored by continuous emission monitor (CEM) continuously.
- 214 [LAC 33:III.2201.H.1.b.iv] Which Months: May-Sep Statistical Basis: None specified
- 215 [LAC 33:III.2201.H.7] Nitrogen oxides monitored by continuous emission monitor (CEM) continuously.

SPECIFIC REQUIREMENTS

AJ ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-Y1
Air - Title V Regular Permit Major Mod

EQT 0027 2B1 - Boiler No. 1

- 216 [LAC 33:III.2201.H.7] Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide using a CO monitor.
 Which Months: May-Sep Statistical Basis: None specified
 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 217 [LAC 33:III.2201.I.1] Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
- 218 [LAC 33:III.2201.I.1]
- 219 [LAC 33:III.2201.I.2] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
- 220 [LAC 33:III.2201.I.] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.
- 221 [LAC 33:III.501.C.6] Maximum Allowable Emission Rates:
 PM10: 642.00 lb/hr, 2,812.00 TPY; Use of an Electrostatic Precipitator
 SO2: 7,704.00 lb/hr, 33,743.50 TPY
 NOX: 1,476.60 lb/hr, 17,715.30 TPY; NOX emission limit is for EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; EQT029, 2B3 -
 Boiler No. 3
 CO: 12,636.60 lb/hr, 15,370.00 TPY
 VOC: 23.50 lb/hr, 102.90 TPY.
- 222 [LAC 33:III.507.H.1] Carbon Monoxide (CO) emissions from EQT027, 2B1 - Boiler No. 1; EQT028, shall be monitored by a Continuous Emission Monitoring Systems (CEMS) calibrated, operated, and maintained according to manufacturer's specifications. QA/QC provisions of Procedure 1 of 40 CFR 60 Appendix F shall also apply.

EQT 0028 2B2 - Boiler No. 2

- 223 [40 CFR 60.42(a)(1)] Particulate matter (10 microns or less) $\leq 0.10 \text{ lb/MMBTU}$ (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood reside. Subpart D. [40 CFR 60.42(a)(1)]
- 224 [40 CFR 60.42(a)(2)] Which Months: All Year Statistical Basis: None specified
 Opacity ≤ 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]
- 225 [40 CFR 60.43(a)(2)] Which Months: All Year Statistical Basis: Six-minute average
 Sulfur dioxide $\leq 1.2 \text{ lb/MMBTU}$. Subpart D. [40 CFR 60.43(a)(2)]
- 226 [40 CFR 60.44(a)(3)] Which Months: All Year Statistical Basis: None specified
 Nitrogen oxides $\leq 0.70 \text{ lb/MMBTU}$. Limits established in Acid Rain Permit No. 2260-00012-IV3 are more stringent. Subpart D. [40 CFR 60.44(a)(3)]
- 227 [40 CFR 60.45(g)] Which Months: All Year Statistical Basis: None specified
 Submit semiannual and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Excess emissions for opacity, SO2, and NOX are defined by 40 CFR 60.45(g)(1), (2)(i), & (3). Subpart D. [40 CFR 60.45(g)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0028 2B2 - Boiler No. 2

- 228 [40 CFR 60.45] Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.
 Which Months: All Year Statistical Basis: None specified
- 229 [40 CFR 60.45] Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.
 Which Months: All Year Statistical Basis: None specified
- 230 [40 CFR 60.45] Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.
 Which Months: All Year Statistical Basis: None specified
- 231 [40 CFR 60.45] Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.
 Which Months: All Year Statistical Basis: None specified
- 232 [40 CFR 60.46(b)] Determine compliance with the PM/Opacity, SO₂, and NOX standards in 40 CFR 60.42, 60.43, and 60.44 using the reference methods and procedures detailed in 40 CFR 60.46(b). Subpart D. [40 CFR 60.46(b)]
- 233 [40 CFR 64.5(a)(3)] PM10/HAPs: Submit the information required under 40 CFR 64.4 as part of an application for a renewal of the Part 70 permit, unless an earlier submittal becomes necessary pursuant to 40 CFR 64.5(a)(2). Affected HAPs include As, Be, Cr, Co, Pb, Mn, Ni, and Se. Ba, Cu, Zn, H₂SO₄, & NH₃ are not federally regulated HAPs.
 The ESP is the final PM10/HAP control device, except for HCl, HF, & Hg. Sb, Cd, & Hg pre-control device emissions are less than the major source threshold of 10 TPY. 40 CFR 64.2(a)(3). [40 CFR 64.5(a)(3)]
- 234 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
- 235 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
- 236 [LAC 33:III.1313.C] Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
- 237 [LAC 33:III.1503.C] Sulfur dioxide <= 2000 ppmv at standard conditions.
 Which Months: All Year Statistical Basis: Three-hour average
- 238 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 239 [LAC 33:III.1513] Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.Chapter 15.
- 240 [LAC 33:III.1513] Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:III.Chapter 39.

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0028 2B2 - Boiler No. 2

- 241 [LAC 33:III.2201.A.2] The provisions of LAC 33:III.2201 apply during the ozone season, May 1 through September 30, of each year. During the remainder of the year, the NOX limit imposed by Acid Rain Permit 2260-00012-IV3 is most stringent.
- 242 [LAC 33:III.2201.D.1] Nitrogen oxides <= 0.21 lb/MMBTU by use of a facility-wide averaging plan as an alternative means of compliance with the emission factors of LAC 33:III.2201.D.
- 243 [LAC 33:III.2201.D.2.c] Which Months: May-Sep Statistical Basis: Thirty-day rolling average For any electric power generating system boiler that operates with a combination of fuels, if the secondary fuel is less than 10% of the weighted average, complying with the unadjusted limit for the primary fuel is allowed. Boiler is started with fuel oil.
- 244 [LAC 33:III.2201.E.1.b] Demonstrate compliance as an alternative means with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.b.i or the method in LAC 33:III.2201.E.1.b.ii.
- 245 [LAC 33:III.2201.H.1.b.i] Fuel monitored by totalizer continuously. Monitor gas and/or liquid fuel usage with a totalizing fuel meter. Provide belt scales or an equivalent device for coal-fired boilers.
- 246 [LAC 33:III.2201.H.1.b.ii] Which Months: May-Sep Statistical Basis: None specified Diluent - either Oxygen or Carbon dioxide monitored by the regulation's specified method(s) continuously. Monitor oxygen or carbon dioxide with a diluent monitor that meets all of the requirements of performance specification 3 of 40 CFR 60, Appendix B.
- 247 [LAC 33:III.2201.H.1.b.iii] Which Months: May-Sep Statistical Basis: None specified Implement procedures to operate the boiler within the fuel and oxygen limits established during the initial compliance run in accordance with LAC 33:III.2201.G to continuously demonstrate compliance with the NOx limits of LAC 33:III.2201.D or E.
- 248 [LAC 33:III.2201.H.1.b.iii] Nitrogen oxides monitored by continuous emission monitor (CEM) continuously to demonstrate continuous compliance with the NOx emission factors of LAC 33:III.2201.D or E. Ensure that the CEMS meets all of the requirements of 40 CFR Part 60.13 and performance specification 2 of 40 CFR 60, Appendix B, or the requirements of 40 CFR Part 75 for units regulated under the Acid Rain Program.
- 249 [LAC 33:III.2201.H.1.b.iv] Which Months: May-Sep Statistical Basis: None specified Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide with a CO monitor that meets all of the requirements of performance specification 4 of 40 CFR 60, Appendix B.
- 250 [LAC 33:III.2201.H.7] Which Months: May-Sep Statistical Basis: None specified Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide using a CO monitor.
- 251 [LAC 33:III.2201.H.7] Which Months: May-Sep Statistical Basis: None specified Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.
- 252 [LAC 33:III.2201.I.1] Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
- 253 [LAC 33:III.2201.I.1] Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.
- 254 [LAC 33:III.2201.I.2] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0028 2B2 - Boiler No. 2

256 [LAC 33.III.501.C.6]

Maximum Allowable Emission Rates:

PM10: 642.00 lb/hr, 2,812.00 TPY; Use of an Electrostatic Precipitator

SO2: 7,704.00 lb/hr, 33,743.50 TPY

NOX: 1,476.60 lb/hr, 17,715.30 TPY; NOX emission limit is for EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; EQT029, 2B3 -

Boiler No. 3

CO: 12,636.60 lb/hr, 15,370.00 TPY

VOC: 23.50 lb/hr, 102.90 TPY.

257 [LAC 33.III.507.H.1]

Carbon Monoxide (CO) emissions from EQT028, 2B2 - Boiler No. 2, shall be monitored by a Continuous Emission Monitoring Systems (CEMS) calibrated, operated, and maintained according to manufacturer's specifications. QA/QC provisions of Procedure 1 of 40 CFR 60 Appendix F shall also apply.

EQT 0029 2B3 - Boiler No. 3

Particulate matter (10 microns or less) <= 0.10 lb/MMBTU (43 nanograms per joule) heat input derived from fossil fuel or fossil fuel and wood reside. Subpart D. [40 CFR 60.42(a)(1)]

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent except for one six-minute period per hour of not more than 27 percent opacity. Subpart D. [40 CFR 60.42(a)(2)]

Which Months: All Year Statistical Basis: Six-minute average

Sulfur dioxide <= 1.2 lb/MMBTU. Subpart D. [40 CFR 60.43(a)(2)]

Which Months: All Year Statistical Basis: None specified

Nitrogen oxides <= 0.70 lb/MMBTU. Limits established in Acid Rain Permit No. 2260-00012.IV3 are more stringent. Subpart D. [40 CFR 60.44(a)(3)]

Which Months: All Year Statistical Basis: None specified

Submit semiannual excess emission and monitoring system performance reports: Due semiannually for each six-month period in the calendar year. Postmark all semiannual reports by the 30th day following the end of each six-month period. Include the information required in 40 CFR 60.7(c). Excess emissions for opacity, SO₂, and NOX are defined by 40 CFR 60.45(g)(1), (2)(i), & (3). Subpart D. [40 CFR 60.45(g)]

Opacity monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.

Which Months: All Year Statistical Basis: None specified

Oxygen or Carbon dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.

Which Months: All Year Statistical Basis: None specified

Sulfur dioxide monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0029 2B3 - Boiler No. 3

- 266 [40 CFR 60.45] Nitrogen oxides monitored by continuous emission monitor (CEM) continuously, except as provided in 40 CFR 60.45(b). Convert the data to the units of the applicable standard as specified in 40 CFR 60.45(e) and (f). Subpart D.
- Which Months: All Year Statistical Basis: None specified
- Determine compliance with the PM/Opacity, SO₂, and NOX standards in 40 CFR 60.42, 60.43, and 60.44 using the reference methods and procedures detailed in 40 CFR 60.46(b). Subpart D. [40 CFR 60.46(b)]
- 267 [40 CFR 60.46(b)] PM10/HAPs: Submit the information required under 40 CFR 64.4 as part of an application for a renewal of the Part 70 permit, unless an earlier submittal becomes necessary pursuant to 40 CFR 64.5(a)(2). Affected HAPs include As, Be, Cr, Co, Pb, Mn, Ni, and Se.
- Ba, Cu, Zn, H₂SO₄, & NH₃ are not federally regulated HAPs.
- The ESP is the final PM10/HAP control device, except for HCl, HF, & Hg.
- Sb, Cd, & Hg pre-control device emissions are less than the major source threshold of 10 TPY. 40 CFR 64.2(a)(3). [40 CFR 64.5(a)(3)]
- 268 [40 CFR 64.5(a)(3)] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: None specified
- 269 [LAC 33:III.1.101.B] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Total suspended particulate <= 0.6 lb/MMBTU of heat input.
- 270 [LAC 33:III.1.101.C] Which Months: All Year Statistical Basis: None specified
- Sulfur dioxide <= 2000 ppmv at standard conditions.
- 271 [LAC 33:III.1.101.C] Which Months: All Year Statistical Basis: Three-hour average
- Submit quarterly reports of three-hour excess emissions and reports of emergency conditions, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.918.
- 272 [LAC 33:III.1.103.C] Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with the provisions of LAC 33:III.918.
- 273 [LAC 33:III.1513] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate compliance with the provisions of LAC 33:III.918.
- 274 [LAC 33:III.1513] Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 275 [LAC 33:III.1513] The provisions of LAC 33:III.2201 apply during the ozone season, May 1 through September 30, of each year. During the remainder of the year, the NOX limit imposed by Acid Rain Permit 2260-00012-IV3 is most stringent.
- 276 [LAC 33:III.2201.A.2] Nitrogen oxides <= 0.21 lb/MMBTU by use of a facility-wide averaging plan as an alternative means of compliance with the emission factors of LAC 33:III.2201.D.
- 277 [LAC 33:III.2201.D.1] Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 278 [LAC 33:III.2201.D.2.c] For any electric power generating system boiler that operates with a combination of fuels, if the secondary fuel is less than 10% of the weighted average, complying with the unadjusted limit for the primary fuel is allowed. Boiler is started with fuel oil.
- 279 [LAC 33:III.2201.E.1.b] Demonstrate compliance as an alternative means with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.b.ii or the method in LAC 33:III.2201.E.1.b.iii.

SPECIFIC REQUIREMENTS

AJ ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT_0029 2B3 - Boiler No. 3

280 [LAC 33:III.2201.H.1.b.ii]

Fuel monitored by totalizer continuously. Monitor gas and/or liquid fuel usage with a totalizing fuel meter. Provide belt scales or an equivalent device for coal-fired boilers.

Which Months: May-Sep Statistical Basis: None specified
 Diluent - either Oxygen or Carbon dioxide monitored by the regulation's specified method(s) continuously. Monitor oxygen or carbon dioxide with a diluent monitor that meets all of the requirements of performance specification 3 of 40 CFR 60, Appendix B.

Which Months: May-Sep Statistical Basis: None specified
 Nitrogen oxides monitored by continuous emission monitor (CEMS) continuously to demonstrate continuous compliance with the NOx emission factors of LAC 33:III.2201.D or E. Ensure that the CEMS meets all of the requirements of 40 CFR Part 60.13 and performance specification 2 of 40 CFR 60, Appendix B, or the requirements of 40 CFR Part 75 for units regulated under the Acid Rain Program.

Which Months: May-Sep Statistical Basis: None specified
 Implement procedures to operate the boiler within the fuel and oxygen limits established during the initial compliance run in accordance with LAC 33:III.2201.G to continuously demonstrate compliance with the NOx limits of LAC 33:III.2201.D or E.
 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide with a CO monitor that meets all of the requirements of performance specification 4 of 40 CFR 60, Appendix B.

Which Months: May-Sep Statistical Basis: None specified
 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide using a CO monitor.

Which Months: May-Sep Statistical Basis: None specified
 Nitrogen oxides monitored by continuous emission monitor (CEMS) continuously.

Which Months: May-Sep Statistical Basis: None specified
 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing.

Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1.
 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d.

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable.
 Carbon Monoxide (CO) emissions from EQT029, 2B3 - Boiler No. 3, shall be monitored by a Continuous Emission Monitoring Systems (CEMS) calibrated, operated, and maintained according to manufacturer's specifications. QA/QC provisions of Procedure 1 of 40 CFR 60 Appendix F shall also apply.

Maximum Allowable Emission Rates:
 PM10: 586.30 lb/hr, 2,568.00 TPY; Use of an Electrostatic Precipitator
 SO2: 7,035.60 lb/hr, 30,815.90 TPY
 NOX: 1,348.20 lb/hr, 17,715.30 TPY; NOX emission limit is for EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; EQT029, 2B3 - Boiler No. 3
 CO: 13,658.20 lb/hr, 16,662.80 TPY
 VOC: 23.50 lb/hr, 102.90 TPY

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0030 BR1,2 - Unit 1 & Unit 2 Bunker Room

- 293 [40 CFR 60.252(c)]
 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Particulate Matter (10 microns or less) >= 99% removal efficiency from filter manufacturer's certification.
 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semianually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT is determined to be use of full enclosure and a baghouse at 99% control.

EQT 0033 EBR3 - Unit 3 East Bunker Room

- 304 [40 CFR 60.252(c)]
 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0033 EBR3 - Unit 3 East Bunker Room

308 [LAC 33:III.501.C.6]

309 [LAC 33:III.507.H.1.a]

310 [LAC 33:III.507.H.1.a]

Particulate Matter (10 microns or less) \geq 99% removal efficiency from filter manufacturer's certification.

Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT is determined to be use of full enclosure and a baghouse at 99%.**EQT 0034 PC1 - Barge Unloading**

315 [40 CFR 60.252(c)]

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).

Subpart Y. [40 CFR 60.254(b)]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

319 [LAC 33:III.501.C.6]

320 [LAC 33:III.507.H.1.a]

321 [LAC 33:III.507.H.1.a]

Particulate Matter (10 microns or less) \geq 98.5% removal efficiency from filter manufacturer's certification.
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0034 PC1 - Barge Unloading

- 323 [LAC 33:III.507.H.1.a] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semianually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
 Determined as BACT in PSD-LA-677(M-1):
- Maximum Allowable Emission Rates:
 PM10: 1.24 lb/hr, 0.19 TPY; Use of a baghouse at 98.5% control for unloading operations. Installation of the baghouse is conditional if the Unit 4 Project becomes operational.
- Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be use of a baghouse during unloading operations at 98.5%. Installation of the baghouse is conditional if the Unit 4 Project becomes operational.

EQT 0035 § 3.4 - Lime Silo Operation

- 327 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Particulate Matter (10 microns or less) >= 99% removal efficiency from filter manufacturer's certification.
- Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semianually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Determined as BACT in PSD-LA-677:
- Maximum Allowable Emission Rates:
 PM10: < 0.01 lb/hr, < 0.01 TPY; Use of a baghouse at 99% control efficiency.

EQT 0036 T1 - Transfer Tower T1

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0036 T1 - Transfer Tower T1

- 334 [40 CFR 60.252(c)] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
- 335 [40 CFR 60.254(a)] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

- PM10: 0.01 lb/hr; 0.01 TPY; Partial enclosure and use of spoon chutes. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Partial enclosure and use of spoon chutes at 98.5% control efficiency is determined as MACT. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational.

EQT 0037 T1A - Barge Unloading Transfer

- 336 [40 CFR 60.252(c)] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
- 337 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

- PM10: 0.19 lb/hr; 0.03 TPY; Partial enclosure of the bucket elevator and use of spoon chutes. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0037 T1A - Barge Unloading Transfer

347 [LAC 33:III.5109.A.1]

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Partial enclosure of the transfer operations and use of spoon chutes at 98.5% control efficiency is determined as MACT. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational.

EQT 0038 T2 - Transfer Tower T2

348 [40 CFR 60.252(c)]
 349 [40 CFR 60.254(a)]
 350 [40 CFR 60.254(b)]
 351 [LAC 33:III.1311.C]

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a)
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1):
 Maximum Allowable Emission Rates:
 PM10: 0.01 lb/hr; 0.01 TPY; Partial enclosure of transfer operations and use of spoon chutes. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational.

352 [LAC 33:III.509]
 353 [LAC 33:III.5107.A.2]
 354 [LAC 33:III.5109.A.1]

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Partial enclosure of the transfer operations and use of spoon chutes at 98.5% is determined to be MACT. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational.

EQT 0039 T3 - Transfer Tower T3

355 [40 CFR 60.252(c)]
 356 [40 CFR 60.254(a)]
 357 [40 CFR 60.254(b)]
 358 [LAC 33:III.1311.C]

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a)
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0039 T3 - Transfer Tower T3

359 [LAC 33:III.509]

Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10: 0.01 lb/hr, 0.01 TPY; Partial enclosure of the transfer system and use of spoon chutes. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

Partial enclosure and use of spoon chutes at 98.5% control efficiency is determined as MACT. Installation of the spoon chutes is conditional if the Unit 4 Project becomes operational.

EQT 0040 T4 - Transfer Tower T4/Crusher

362 [40 CFR 60.252(c)]

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254(a)

60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]

Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).

Subpart Y. [40 CFR 60.254(b)]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Determined as BACT in PSD-LA-677:

Maximum Allowable Emission Rates:

PM10: 0.50 lb/hr, 2.19 TPY; Use of partial enclosure and chemical spray.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

Use of partial enclosure and chemical spray at 99.5% control efficiency is determined as MACT.

EQT 0041 T8 - Transfer Tower T8

369 [40 CFR 60.252(c)]

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254(a)

60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]

Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).

Subpart Y. [40 CFR 60.254(b)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0041 T8 - Transfer Tower T8

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Particulate Matter (10 microns or less) >= 90% removal efficiency from filter manufacturer's certification.

Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Determined as BACT in PSD-LA-677:
 Maximum Allowable Emission Rates:

PM10: 0.01 lb/hr, 0.01 TPY; Use partial enclosure and a baghouse.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Use of a partial enclosure and a baghouse at 99% control efficiency on transfer operations is determined as MACT.

EQT 0043 TNK12 - Gasoline Tank

381 [LAC 33:III.2103.A] Equip with a submerged fill pipe.
 382 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.
 383 [LAC 33:III.2103.I] Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Use of a submerged fill pipe on the tank is determined to be MACT.

EQT 0049 WBR3 - Unit 3 West Bunker Room

SPECIFIC REQUIREMENTS

AI ID: 388867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0049 WBR3 - Unit 3 West Bunker Room

- 386 [40 CFR 60.252(c)]
 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
- 387 [40 CFR 60.254(a)]
 388 [40 CFR 60.254(b)]
 389 [LAC 33:III.1311.C]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Particulate Matter (10 microns or less) >= 99% removal efficiency from filter manufacturer's certification.
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Use of a baghouse at 99% control is determined as MACT.

EQT 0050 EG-1 - Emergency Generator #1

- 397 [LAC 33:III.1101.B]
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0050 EG-1 - Emergency Generator #1

Operating time <= 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

Operating time monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: None specified

Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel.
 Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

EQT 0051 EG-2 - Emergency Generator #2

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

Operating time monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: None specified

Operating time <= 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel.

EQT 0052 EF-1 - Emergency Firewater Pump #1

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0052 EF-1 - Emergency Firewater Pump #1

- 410 [LAC 33:III.131.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel.
- 411 [LAC 33:III.501.C.6] Operating time monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified
 Operating time <= 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period.
 Which Months: All Year Statistical Basis: None specified
 Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

EQT 0053 EF-2 - Emergency Firewater Pump #2

- 415 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Operating time <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 416 [LAC 33:III.131.C] Operating time monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified
 Operating time <= 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period.
 Which Months: All Year Statistical Basis: None specified
 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel.

EQT 0058 01-01 - Coal Railcar Unloading Building

- 421 [40 CFR 60.252(c)] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified

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SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0058 01-01 - Coal Railcar Unloading Building

422 [40 CFR 60.254(a)]
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1);

Maximum Allowable Emission Rates:
 PM10: 0.08 lb/hr, 0.09 TPY; Apply a dry fogging or equivalent dust suppression system.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Apply a dry fogging or equivalent dust suppression system is determined as MACT.

EQT 0060 06-01 - Transfer Tower T-23

428 [40 CFR 60.252(c)]
 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
 Particulate Matter (10 microns or less) >= 99.9% removal efficiency from filter manufacturer's certification.
 Throughput monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified
 Annual Throughput <= 3,595 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified
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SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0060 06-01 - Transfer Tower T-23

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Determined as BACT in PSD-LA-677:

Maximum Allowable Emission Rates:

PM10: < 0.01 lbs/hr; < 0.01 TPY; Use of a fabric filter on the baghouse to control emissions.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.

Use of a fabric filter on the baghouse to 99.9% control is determined to be MACT.

EQT 0061 EG-3 - Emergency Generator #3

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Submit report: Due annually, by the 31st of March. Report the total operating time for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time each month, as well as the total operating time for the last twelve months. Make records available for inspection by DEQ personnel.

Operating time monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: None specified

444 [LAC 33:III.1101.B]

444 [LAC 33:III.1101.B]

445 [LAC 33:III.1311.C]

445 [LAC 33:III.1311.C]

446 [LAC 33:III.501.C.6]

446 [LAC 33:III.501.C.6]

447 [LAC 33:III.501.C.6]

447 [LAC 33:III.501.C.6]

448 [LAC 33:III.501.C.6]

448 [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0061 EG-3 - Emergency Generator #3

Operating time <= 552 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

EQT 0062 01-06 - Stamler Reclaim System

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a).
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Annual Throughput <= 2,40 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified
 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
 Throughput monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified
 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
 Determined as BACT in PSD-LA-677(M-1):
 Maximum Allowable Emission Rates:
 PM10: 2.98 lb/hr, 0.12 TPY; Point uses a telescoping chute to minimize emission.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Use a telescoping chute for emission control to 50% control efficiency is determined as MACT.

EQT 0063 02-06 - Luffing/Slewing Stackor Feed

461 [40 CFR 60.252(c)]
 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AJ ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0063 02-06 - Luffing/Slewing Stacker Feed

462 [40 CFR 60.254(a)]
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-):
 Maximum Allowable Emission Rates:

PM10: 6.20 lb/hr, 2.23 TPY; Materials from storage piles are watered prior to use.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT is determined to be the watering of materials from storage piles prior to use.

EQT 0064 03-06 - Luffing/Slewing Stacker

465 [LAC 33:III.509]
 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
 Annual Throughput <= 3.595 MM tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
 Which Months: All Year Statistical Basis: None specified
 Throughput monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-Y1
Air - Title V Regular Permit Major Mod

EQT 0064 03-06 - Luffing/Slewing Stacker

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Determined as MACT: Process is controlled by 50% efficiency because material is wetted at storage pile.

EQT 0065 04-06 - Portal Reclaimer

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a)
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1);
 Maximum Allowable Emission Rates:
 PM10: 5.95 lb/hr, 2.14 TPY; Materials from storage piles are watered prior to use.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Determined as MACT: Materials from storage piles are watered prior to use.

EQT 0066 05-06 - Limestone Rail Car Unloading

Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
 [40 CFR 60.672(a)(2)]
 Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0066 05-06 - Limestone Rail Car Unloading

Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]

Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]

Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]

Which Months: All Year Statistical Basis: None specified
 Opacity monitored by 40 CFR 60. Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
 Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(n)(2)]

Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]

Submit notification to the DEQ. Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]

Submit notification. Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. Subpart OOO. [40 CFR 60.676(i)(1)]

Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0066 05-06 - Limestone Rail Car Unloading

Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
 Throughput monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified

Annual Throughput <= 500000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
 Which Months: All Year Statistical Basis: None specified

Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:
 PM10 1.07 lb/hr, 0.08 TPY; Apply a dry fogging or equivalent dust suppression system on the receiving hoppers of the limestone unloading operations.

EQT 0067 06-06 - Emergency Limestone Truck Unloading

Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
 [40 CFR 60.672(a)(2)]

Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]

Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]

Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]

SPECIFIC REQUIREMENTS

AI ID: 388867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0067 06-06 - Emergency Limestone Truck Unloading

- 515 [40 CFR 60.675(b)(1)] Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 516 [40 CFR 60.675(b)(1)] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 517 [40 CFR 60.675(b)(2)] Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 518 [40 CFR 60.675(b)(2)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 519 [40 CFR 60.675(c)] Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by manual logging as needed. Record the individual test and the average result of the monitoring test listed in 40 CFR 60.675(c)(1) through (c)(4). Subpart OOO. [40 CFR 60.675(c)]
- 520 [40 CFR 60.675(d)] Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 521 [40 CFR 60.675(g)] Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
- 522 [40 CFR 60.676(f)] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
- 523 [40 CFR 60.676(i)(1)] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 524 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 525 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Six-minute average
 Annual Throughput <= 60000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 526 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 527 [LAC 33:III.501.C.6] Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0067 06-06 - Emergency Limestone Truck Unloading

Throughput monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: None specified

Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10 < 0.01 lb/hr, < 0.01 TPY; Use best management practices.

EQT 0068 07-06 - Emergency Limestone Reclaim

530 [40 CFR 60.672(a)(1)]

531 [40 CFR 60.672(a)(2)]

532 [40 CFR 60.672(b)]

533 [40 CFR 60.672(e)]

534 [40 CFR 60.672(g)]

535 [40 CFR 60.672(h)(1)]

536 [40 CFR 60.672(h)(2)]

537 [40 CFR 60.675(a)]

538 [40 CFR 60.675(b)(1)]

539 [40 CFR 60.675(b)(1)]

540 [40 CFR 60.675(b)(2)]

Total suspended particulate <= 0.05 g/dscn (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]

Which Months: All Year Statistical Basis: None specified

Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.

[40 CFR 60.672(a)(2)]

Which Months: All Year Statistical Basis: None specified

Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]

Which Months: All Year Statistical Basis: None specified

Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]

Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]

Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]

Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]

Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0068 07-06 - Emergency Limestone Reclaim

- 541 [40 CFR 60.675(b)(2)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity.
 Subpart OOO. [40 CFR 60.675(b)(2)]
 Which Months: All Year Statistical Basis: None specified
 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total).
 Subpart OOO. [40 CFR 60.675(d)]
- 543 [40 CFR 60.675(g)] Submit notification to the DEQ. Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
- 544 [40 CFR 60.676(i)] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(i)]
- 545 [40 CFR 60.676(i)(1)] Submit notification. Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 546 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 547 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: Six-minute average Annual Throughput <= 54000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 548 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified Throughput monitored by technically sound method continuously.
- 549 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 550 [LAC 33:III.501.C.6] Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
- 551 [LAC 33:III.509] Determined as BACT in PSD-LA-677(M-1): Maximum Allowable Emission Rates:
 PM10 1.79 lb/hr, 0.02 TPY; Partially enclose this point and use a dry fogging or equivalent dust suppression system.

EQT 0069 08-06 - Limestone Transfer Tower

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0069 08-06 - Limestone Transfer Tower

- 552 [40 CFR 60.672(a)(1)] Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
- 553 [40 CFR 60.672(a)(2)] Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- 554 [40 CFR 60.672(b)] Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 555 [40 CFR 60.672(e)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- 556 [40 CFR 60.672(g)] Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 557 [40 CFR 60.672(h)(1)] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 558 [40 CFR 60.672(h)(2)] Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 559 [40 CFR 60.675(a)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 560 [40 CFR 60.675(b)(1)] Which Months: All Year Statistical Basis: None specified
 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 561 [40 CFR 60.675(b)(1)] Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0069 08-06 - Limestone Transfer Tower

- 566 [40 CFR 60.676(i)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
- 567 [40 CFR 60.676(i)(1)]
 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 568 [LAC 33:III.1311.C]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 569 [LAC 33:III.509]
 Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:
 PM10 0.12 lb/hr, 0.50 TPY; Use a total enclosure and dry fogging or equivalent dust suppression system.

EQT 0070 09-06 - Limestone Stackout

- 570 [40 CFR 60.672(a)(1)]
 Total suspended particulate <= 0.05 g/dscrn (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
- 571 [40 CFR 60.672(a)(2)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
- 572 [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- 573 [40 CFR 60.672(e)]
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 574 [40 CFR 60.672(g)]
 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 575 [40 CFR 60.672(h)(1)]
 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 576 [40 CFR 60.672(h)(2)]
 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 577 [40 CFR 60.675(a)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0070 09-06 - Limestone Stackout

- Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
 Which Months: All Year Statistical Basis: None specified
- Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
 Which Months: All Year Statistical Basis: None specified
 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(e)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1):
 Maximum Allowable Emission Rates:
 PM10 0.12 lb/hr, 0.50 TPY; Equip point with a telescoping chute to minimize emissions.
- EQT 0071 10-06 - Limestone Reclaim**
- Total suspended particulate <= 0.05 g/dscrn (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
- 578 [40 CFR 60.675(b)(1)]
 579 [40 CFR 60.675(b)(1)]
 580 [40 CFR 60.675(b)(2)]
 581 [40 CFR 60.675(b)(2)]
 582 [40 CFR 60.675(d)]
 583 [40 CFR 60.675(g)]
 584 [40 CFR 60.676(i)]
 585 [40 CFR 60.676(i)(1)]
 586 [LAC 33:III.1311.C]
 587 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0071 10-06 - Limestone Reclaim

- 589 [40 CFR 60.672(a)(2)] Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
 [40 CFR 60.672(a)(2)]
 Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- 590 [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 591 [40 CFR 60.672(e)]
 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 592 [40 CFR 60.672(g)]
 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 593 [40 CFR 60.672(h)(1)]
 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 594 [40 CFR 60.672(h)(2)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 595 [40 CFR 60.675(a)]
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 596 [40 CFR 60.675(b)(1)]
 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 597 [40 CFR 60.675(b)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 598 [40 CFR 60.675(b)(2)]
 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 599 [40 CFR 60.675(b)(2)]
 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
- 600 [40 CFR 60.675(d)]
 601 [40 CFR 60.675(g)]
 602 [40 CFR 60.676(f)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER200060002
 Permit Number: 2260-00012-Y1
 Air - Title V Regular Permit Major Mod

EQT 0071 10-06 - Limestone Reclaim

- 603 [40 CFR 60.676(i)(1)]
 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 604 [LAC 33:III.1311.C]
 Which Months: All Year Statistical Basis: Six-minute average

EQT 0072 11-06 - Limestone Day Silos

- 605 [40 CFR 60.672(a)(1)]
 Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
- 606 [40 CFR 60.672(a)(2)]
 Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- 607 [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 608 [40 CFR 60.672(e)]
 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 609 [40 CFR 60.672(g)]
 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 610 [40 CFR 60.672(h)(1)]
 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 611 [40 CFR 60.672(h)(2)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 612 [40 CFR 60.675(a)]
 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 613 [40 CFR 60.675(b)(1)]
 Which Months: All Year Statistical Basis: None specified
- 614 [40 CFR 60.675(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER200060002
 Permit Number: 2260-000-12-V1
 Air - Title V Regular Permit Major Mod

EQT 0072 11-06 - Limestone Day Silos

- Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity.
 Subpart OOO. [40 CFR 60.675(b)(2)]
 Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total).
 Subpart OOO. [40 CFR 60.675(d)]
 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Permittee shall conduct weekly 40 CFR 60 Appendix A Method 22 inspections for visible emissions, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours.
 Particulate Matter (10 microns or less) >= 99.5% removal efficiency from filter manufacturer's certification.
- Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0072 11-06 - Limestone Day Silos

628 [LAC 33:III.509] Determined as BACT in PSD-LA-677(M-1):
 Maximum Allowable Emission Rates:
 PM10 < 0.01 lb/hr, 0.02 TPY; Use a baghouse to control emissions.

EQT 0073 12-06 - Gypsum Dewatering Building

- 629 [40 CFR 60.672(a)(1)] Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
- 630 [40 CFR 60.672(b)] Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- 631 [40 CFR 60.672(e)] Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 632 [40 CFR 60.672(g)] Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 633 [40 CFR 60.672(h)(1)] Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 634 [40 CFR 60.672(h)(1)] Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 635 [40 CFR 60.672(h)(2)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- 636 [40 CFR 60.675(a)] Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 637 [40 CFR 60.675(b)(1)] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 638 [40 CFR 60.675(b)(1)] Which Months: All Year Statistical Basis: None specified
 Opacity monitored by 40 CFR 60. Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 639 [40 CFR 60.675(b)(2)] Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 640 [40 CFR 60.675(b)(2)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0073 12-06 - Gypsum Dewatering Building

- Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total).
 Subpart OOO. [40 CFR 60.675(d)]
 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(h)]
 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1):
 Maximum Allowable Emission Rates:
 PM10: 0.27 lb/hr, 1.17 TPY; Use best management practices to control emissions.

EQT 0074 13-06 - Gypsum Transfer Tower

- Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
 [40 CFR 60.672(a)(2)]
 Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0074 13-06 - Gypsum Transfer Tower

- 653 [40 CFR 60.672(h)(2)] Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, belt conveyors, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 654 [40 CFR 60.675(a)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- 655 [40 CFR 60.675(b)(1)] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 656 [40 CFR 60.675(b)(1)] Which Months: All Year Statistical Basis: None specified Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 657 [40 CFR 60.675(b)(2)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 658 [40 CFR 60.675(b)(2)] Which Months: All Year Statistical Basis: None specified Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 659 [40 CFR 60.675(d)] Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 660 [40 CFR 60.675(g)] Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
- 661 [40 CFR 60.676(i)] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
- 662 [40 CFR 60.676(i)(1)] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 663 [LAC 33.III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 664 [LAC 33.III.509] Which Months: All Year Statistical Basis: Six-minute average Determined as BACT in PSD-LA-677(M-1): Maximum Allowable Emission Rates: PM10: 0.13 lb/hr, 0.59 TPY; Use best management practices to control emissions.

SPECIFIC REQUIREMENTS

AJ ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0075 14-06 - Gypsum Radial Stacker Feed

- 665 [40 CFR 60.672(a)(1)] Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
 [40 CFR 60.672(a)(2)]
- 666 [40 CFR 60.672(a)(2)] Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- 667 [40 CFR 60.672(b)] Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 668 [40 CFR 60.672(e)] Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 669 [40 CFR 60.672(g)] Comply with the emission limits in 40 CFR 60.672(h) upon completion of screening operations and subsequent screening operations, bucket elevators, belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 670 [40 CFR 60.672(h)(1)] Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 671 [40 CFR 60.672(h)(2)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- 672 [40 CFR 60.675(a)] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 673 [40 CFR 60.675(b)(1)] Which Months: All Year Statistical Basis: None specified
 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 674 [40 CFR 60.675(b)(1)] Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 675 [40 CFR 60.675(b)(2)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 676 [40 CFR 60.675(b)(2)] Which Months: All Year Statistical Basis: None specified
 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 677 [40 CFR 60.675(d)] Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

SPECIFIC REQUIREMENTS

AI ID: 388867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0075 14-06 - Gypsum Radial Stacker Feed

679 [40 CFR 60.676(f)]
Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]

680 [40 CFR 60.676(g)]
Submit a report within 30 days following the change of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to 40 CFR 60.672(h) and subsequently processes unsaturated materials. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in 40 CFR 60.672(b) and the emission test requirements of 40 CFR 60.11. Subpart OOO. [40 CFR 60.676(g)]

681 [LAC 33-III.1311.C]
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
Which Months: All Year Statistical Basis: Six-minute average
Determined as BACT in PSD-LA-677(M-1):

682 [LAC 33-III.509]
Maximum Allowable Emission Rates:
PM10: 0.13 lb/hr, 0.59 TPY; Use best management practices to control emissions.

EQT 0076 15-06 - Gypsum Transfer to Storage Piles

683 [40 CFR 60.672(a)(1)]
Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
Which Months: All Year Statistical Basis: None specified
Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]

684 [40 CFR 60.672(a)(2)]
Which Months: All Year Statistical Basis: None specified
Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]

685 [40 CFR 60.672(b)]
Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0076 15-06 - Gypsum Transfer to Storage Piles

- Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity.
- Subpart OOO. [40 CFR 60.675(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
- Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
- Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(f)(1)]
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Determined as BACT in PSD-LA-677(M-1);
- Maximum Allowable Emission Rates:
- PM10: 0.13 lb/hr, 0.59 TPY; Use best management practices to control emissions.

EQT 0077 16-06 - Gypsum Truck Loading

- Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

EQT 0077 16-06 - Gypsum Truck Loading

- Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
- 702 [40 CFR 60.672(a)(2)]
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
 [40 CFR 60.672(a)(2)]
- 703 [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- 704 [40 CFR 60.672(c)]
 Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 705 [40 CFR 60.672(g)]
 Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 706 [40 CFR 60.672(h)(1)]
 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 707 [40 CFR 60.672(h)(2)]
 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 708 [40 CFR 60.675(a)]
 Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- 709 [40 CFR 60.675(b)(1)]
 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 710 [40 CFR 60.675(b)(1)]
 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 711 [40 CFR 60.675(b)(2)]
 Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 712 [40 CFR 60.675(b)(2)]
 Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 713 [40 CFR 60.675(d)]
 Which Months: All Year Statistical Basis: None specified
 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 714 [40 CFR 60.675(e)]
 Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(e)]
- 715 [40 CFR 60.676(f)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant

Activity Number: PER20060002

Permit Number: 2260-00012-V1

Air - Title V Regular Permit Major Mod

EQT 0077 16-06 - Gypsum Truck Loading

- 716 [40 CFR 60.676(i)(1)]
 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 717 [LAC 33:III.1311.C]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

- 718 [LAC 33:III.501.C.6]
 Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.
- 719 [LAC 33:III.501.C.6]
 Annual Throughput <= 480000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 720 [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: None specified
 Throughput monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified
 Determined as BACT in PSD-LA-677(M-1).
 Maximum Allowable Emission Rates:
 PM10: 0.16 lb/hr, 0.24 TPY; Use best management practices to control emissions.

EQT 0078 17-06 - Activated Carbon Silo Bin Vent

- 723 [LAC 33:III.1311.C]
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Permittee shall conduct inspections using 40 CFR 60 Appendix A Method 22 inspections for visible emissions upon each occurrence of loading, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours.
 Particulate Matter (10 microns or less) >= 99.5% removal efficiency from filter manufacturer's certification.
- 724 [LAC 33:III.501.C.6]
 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon occurrence of event. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 725 [LAC 33:III.507.H.1.a]
 Filter vents: Visible emissions monitored by visual inspection/determination upon occurrence of event. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 726 [LAC 33:III.507.H.1.a]
 Which Months: All Year Statistical Basis: None specified
- 727 [LAC 33:III.507.H.1.a]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0078 17-06 - Activated Carbon Silo Bin Vent

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semianually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified
 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:
 PM10 0.12 lb/hr, 0.04 TPY; Control emissions through the use of a dust collector (baghouse or filter vent).
 Use of a baghouse at 99.5% control is determined as MACT.

EQT 0079 18-06 - Sorbent Silo Bin Vent

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average Particulate Matter (10 microns or less) >= 99.5% removal efficiency from filter manufacturer's certification.
 Permite shall conduct inspections using 40 CFR 60 Appendix A Method 22 inspections for visible emissions upon each occurrence of loading, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours.

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Filter vents: Visible emissions monitored by visual inspection/determination upon occurrence of event. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semianually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy upon occurrence of event. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Determined as BACT in PSD-LA-677(M-1):
 Maximum Allowable Emission Rates:
 PM10 0.12 lb/hr, 0.04 TPY; Control emissions through the use of a dust collector (baghouse or filter vent).

EQT 0080 19-06 - Unit 4 Ash Truck Loading

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

EQT 0080 19-06 - Unit 4 Ash Truck Loading

- 740 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Permittee shall conduct weekly 40 CFR 60 Appendix A Method 22 inspections for visible emissions, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT is determined to be no further control.

EQT 0081 20-06 - Unit 4 Bottom Ash Loading Emissions

- 744 [LAC 33:III.1311.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Permittee shall conduct weekly 40 CFR 60 Appendix A Method 22 inspections for visible emissions, and if observed, will conduct 40 CFR 60 Appendix A Method 9 within 72 hours.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT is determined to be no further control.

FUG 0002 FUG 2 - Coal Piles

- 748 [40 CFR 60.252(c)] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]
 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 388867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

FUG 0002 FUG 2 - Coal Piles

753 [LAC 33:III.509]

Determined as BACT in PSD-LA-677(M-1);

Maximum Allowable Emission Rates:

PM10: 903.00 lb/hr, 1,025 TPY; Application of a surfactant or water to limit fugitive emissions.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. MACT is determined to be no further control.

FUG 0003 FUG 1 - Coal Handling Conveyors (16 sources)

756 [40 CFR 60.252(c)]

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]

Which Months: All Year Statistical Basis: None specified

Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a). Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).

Subpart Y. [40 CFR 60.254(b)]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Determined as BACT in PSD-LA-677;

Maximum Allowable Emission Rates:

PM10: 1,721.3 lb/hr, 0.88 TPY; Cover the conveyors and condition, by water or chemical suppression, prior to movement.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Cover the conveyors at 90% and use water or chemical suppression prior to movement is determined as MACT.

FUG 0004 FUG 3 - Fly Ash Pond

764 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

FUG 0004 FUG 3 - Fly Ash Pond

- 766 [LAC 33:III.509] Determined as BACT in PSD-LA-677:
 Maximum Allowable Emission Rates:
 PM10: 475.30 lb/hr, 0.581 TPY; Use of wetting agent on ash material prior to unloading.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Use of a wetting agent on ash material prior to unloading to 90% control is determined as MACT.

FUG 0005 FUG 5 - Road Emissions

- 769 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1):
 Maximum Allowable Emission Rates:
 PM10: 4.58 lb/hr, 18.28 TPY; Use of water spray to control dust emissions.
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 MACT is determined to be the application of water spray to control dust emissions from roads to 50%.

FUG 0006 S 1,2 - Fly Ash Handling Emissions

- 770 [LAC 33:III.1311.C] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Particulate Matter (10 microns or less) >= 99% removal efficiency from filter manufacturer's certification.
 Filter vents: Visible emissions monitored by visual inspection/determination weekly. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy weekly. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 338867 - Louisiana Generating LLC - Big Cajun II Power Plant
Activity Number: PER20060002
Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

FUG 0006 S 1,2 - Fly Ash Handling Emissions

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

LAC 33:III.5105.B.
Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Use of a baghouse and telescopic chute to control emissions to 99% at filling and 40.5% at discharging operations is determined to be MACT.

FUG 0008 FUG 10 - Gypsum Pile & Loading Fugitive Emissions

Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]

Which Months: All Year Statistical Basis: None specified

Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]

Which Months: All Year Statistical Basis: None specified

Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]

Which Months: All Year Statistical Basis: None specified

Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]

Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]

Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]

Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]

Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]

Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
Air - Title V Regular Permit Major Mod

FUG 0008 FUG 10 - Gypsum Pile & Loading Fugitive Emissions

- 793 [40 CFR 60.675(b)(2)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity.
 Subpart OOO. [40 CFR 60.675(b)(2)]
 Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 794 [40 CFR 60.675(b)(2)] Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 795 [40 CFR 60.675(d)] Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
- 796 [40 CFR 60.675(g)] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
- 797 [40 CFR 60.676(h)] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 798 [40 CFR 60.676(i)(1)] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 799 [LAC 33:III.1305] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 800 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average
- 801 [LAC 33:III.509] Determined as BACT in PSD-LA-677(M-1): Maximum Allowable Emission Rates:
 PM10: 40.80 lb/hr, 0.90 TPY; Use best management practices to control fugitive emissions.

FUG 0009 FUG 11 - Gypsum Conveyors

- 802 [40 CFR 60.672(a)(1)] Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
- 803 [40 CFR 60.672(a)(2)] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

FUG 0009 FUG 11 - Gypsum Conveyors

- 804 [40 CFR 60.672(b)] Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 805 [40 CFR 60.672(e)] Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 806 [40 CFR 60.672(g)] Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 807 [40 CFR 60.672(h)(1)] Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 808 [40 CFR 60.672(h)(2)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)] Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 809 [40 CFR 60.675(a)] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 810 [40 CFR 60.675(b)(1)] Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 811 [40 CFR 60.675(b)(1)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 812 [40 CFR 60.675(b)(2)] Which Months: All Year Statistical Basis: None specified
 Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 813 [40 CFR 60.675(b)(2)] Submit notification to the DEQ. Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
- 814 [40 CFR 60.675(d)] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
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FUG 0009 FUG 11 - Gypsum Conveyors

817 [40 CFR 60.676(i)(1)]

Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]

818 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

819 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1);

820 [LAC 33:III.509]

Maximum Allowable Emission Rates:
 PM10: 0.07 lb/hr, 0.03 TPY; Cover conveyors to reduce wind erosion.

FUG 0010 FUG 6 - New Coal Conveyors

821 [40 CFR 60.252(c)]

Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.254(a).
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2).
 Subpart Y. [40 CFR 60.254(b)]

824 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

825 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1);
 Maximum Allowable Emission Rates:
 PM10: 20.98 lb/hr, 0.74 TPY; Equip conveyors with covers to reduce wind erosion; Suppress dust through the use of dry fogging or equivalent dust suppression at conveyor transfer points.

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ.
 Process enclosure and dry fogging or equivalent dust suppression at transfer points at 90% control efficiency is determined as MACT.

FUG 0011 FUG 7 - Limestone Conveyors

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

FUG 0011 FUG 7 - Limestone Conveyors

- 829 [40 CFR 60.672(a)(1)] Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
- 830 [40 CFR 60.672(a)(2)] [40 CFR 60.672(a)(2)]
- 831 [40 CFR 60.672(b)] Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]
- 832 [40 CFR 60.672(e)] Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 833 [40 CFR 60.672(g)] Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 834 [40 CFR 60.672(h)(1)] Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 835 [40 CFR 60.672(h)(2)] Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 836 [40 CFR 60.675(a)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- 837 [40 CFR 60.675(b)(1)] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 838 [40 CFR 60.675(b)(1)] Which Months: All Year Statistical Basis: None specified
 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 839 [40 CFR 60.675(b)(2)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 840 [40 CFR 60.675(b)(2)] Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 841 [40 CFR 60.675(d)] Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 842 [40 CFR 60.675(g)] Submit notification to the DEQ: Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

FUG 0011 FUG 7 - Limestone Conveyors

- 843 [40 CFR 60.676(i)]
 Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
- 844 [40 CFR 60.676(i)(1)]
 Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Throughput monitored by technically sound method continuously.

Which Months: All Year Statistical Basis: None specified

Annual Throughput <= 500000 tons/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total throughput exceeds the maximum listed in this specific condition for any twelve consecutive month period.

Which Months: All Year Statistical Basis: None specified

Submit report: Due annually, by the 31st of March. Report the total throughput for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.

Throughput recordkeeping by electronic or hard copy monthly. Keep records of the total throughput each month, as well as the total throughput for the last twelve months. Make records available for inspection by DEQ personnel.

Determined as BACT in PSD-LA-677(M-1);

Maximum Allowable Emission Rates:

PM10: 52.43 lb/hr, 0.37 TPY; Use a partial enclosure and a dry fogging or equivalent dust suppression system.

FUG 0012 FUG 8 - Limestone Pile Fugitive Emissions

- 852 [40 CFR 60.672(b)(1)]
 Total suspended particulate <= 0.05 g/dscm (0.022 gr/dsc). Subpart OOO. [40 CFR 60.672(a)(1)]
- 853 [40 CFR 60.672(b)(2)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO. [40 CFR 60.672(a)(2)]
- 854 [40 CFR 60.672(b)]
 Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

FUG 0012 FUG 8 - Limestone Pile Fugitive Emissions

- 855 [40 CFR 60.672(e)] Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]
- 856 [40 CFR 60.672(g)] Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
- 857 [40 CFR 60.672(h)(1)] Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
- 858 [40 CFR 60.672(h)(2)] Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]
- 859 [40 CFR 60.675(b)] Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
- 860 [40 CFR 60.675(b)(1)] Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
- 861 [40 CFR 60.675(b)(1)] Which Months: All Year Statistical Basis: None specified
- 862 [40 CFR 60.675(b)(2)] Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]
- 863 [40 CFR 60.675(b)(2)] Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 864 [40 CFR 60.675(d)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 865 [40 CFR 60.675(g)] Which Months: All Year Statistical Basis: None specified
- 866 [40 CFR 60.676(f)] Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 867 [40 CFR 60.676(i)(1)] Submit notification to the DEQ. Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(e)]
- 868 [40 CFR 60.676(j)] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
- 869 [40 CFR 60.676(l)(1)] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(l)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

FUG 0012 FUG 8 - Limestone Pile Fugitive Emissions

868 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305 A.1-7.
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Determined as BACT in PSD-LA-677(M-1):

Maximum Allowable Emission Rates:

PM10: 56.3 lb/hr, 0.93 TPY; Use a wet suppression system to limit fugitive emissions.

FUG 0013 FUG 9 - Limestone Emergency Unloading Fugitive Emissions

871 [40 CFR 60.672(a)(1)] Total suspended particulate <= 0.05 g/dscm (0.022 gr/dscf). Subpart OOO. [40 CFR 60.672(a)(1)]

Which Months: All Year Statistical Basis: None specified
 Opacity <= 7 percent, unless the stack emissions are discharged from an affected facility using a wet scrubbing control device. Subpart OOO.
 [40 CFR 60.672(a)(2)]

Which Months: All Year Statistical Basis: None specified
 Fugitive emissions: Opacity <= 10 percent, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup as required under 40 CFR 60.11. Subpart OOO. [40 CFR 60.672(b)]

Which Months: All Year Statistical Basis: None specified
 Comply with the emission limits in 40 CFR 60.672(a), (b) and (c). Subpart OOO. [40 CFR 60.672(e)]

Comply with the emission limits in 40 CFR 60.672(a)(1) and (a)(2) upon completion of performance tests. Subpart OOO. [40 CFR 60.672(g)]
 Do not discharge into the atmosphere any visible emissions from wet screening operations and subsequent screening operations, bucket elevators,

and belt conveyors that process saturated material in the production line up to the next crusher, grinding mill or storage bin on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(1)]
 Do not discharge into the atmosphere any visible emissions from screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, where such screening operations, bucket elevators, and belt conveyors process saturated materials up to the first crusher, grinding mill, or storage bin in the production line, on and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated but not later than 180 days after initial startup. Subpart OOO. [40 CFR 60.672(h)(2)]

Use as reference methods and procedures the test methods in 40 CFR 60 appendix A or other methods and procedures as specified in 40 CFR 60.675, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart OOO. [40 CFR 60.675(a)]
 Total suspended particulate monitored by the regulation's specified method(s) as needed. Use Method 5 or Method 17 to determine the particulate matter concentration. Subpart OOO. [40 CFR 60.675(b)(1)]
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate recordkeeping by electronic or hard copy as needed. Record the particulate matter concentration determined during the test. Subpart OOO. [40 CFR 60.675(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

FUG 0013 FUG 9 - Limestone Emergency Unloading Fugitive Emissions

- 881 [40 CFR 60.675(b)(2)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 as needed. Use Method 9 and the procedures in 40 CFR 60.11 to determine opacity.
 Subpart OOO. [40 CFR 60.675(b)(2)]
 Which Months: All Year Statistical Basis: None specified
 Opacity recordkeeping by electronic or hard copy as needed. Record the individual test and the average opacity. Subpart OOO. [40 CFR 60.675(b)(2)]
- 882 [40 CFR 60.675(b)(2)] Determine compliance with 40 CFR 60.672(e) by using Method 22 to determine fugitive emissions. Conduct the performance test while all affected facilities inside the building are operating. Observe each side of the building and the roof for at least 15 minutes each (75 minutes total). Subpart OOO. [40 CFR 60.675(d)]
- 883 [40 CFR 60.675(d)] Submit notification to the DEQ. Due at least 7 days prior to any rescheduled performance test, if, after 30 days notice for an initially scheduled performance test, there is any delay (due to operational problems etc.) in conducting any rescheduled performance test required by 40 CFR 60.675. Subpart OOO. [40 CFR 60.675(g)]
- 884 [40 CFR 60.675(g)] Submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 CFR 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 CFR 60.672(e). Subpart OOO. [40 CFR 60.676(f)]
- 885 [40 CFR 60.676(f)] Submit notification: Due to DEQ (postmarked) within 15 days after the actual date of initial startup. Submit the actual date of initial startup and include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available. A single notification of startup may be submitted for a combination of affected facilities in a production line that begin actual initial startup on the same day. For portable aggregate processing plants, include both the home office and the current address or location of the portable plant. Subpart OOO. [40 CFR 60.676(i)(1)]
- 886 [40 CFR 60.676(i)(1)] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 887 [LAC 33:III.1305] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 888 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average

GRP 0006 Acid Rain - Acid Rain Affected Sources

Group Member: EQT 0021EQT 0027EQT 0028EQT 0029

889 [40 CFR 75.10(a)(1)]

To determine SO2 emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a SO2 continuous emission monitoring system and a flow monitoring system with an automated data acquisition and handling system for measuring and recording SO2 concentration (in ppm), volumetric gas flow (in scfh), and SO2 mass emissions (in lb/hr) discharged to the atmosphere, except as provided in 40 CFR 75.11 and 75.16 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(1)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

GRP 0006 Acid Rain - Acid Rain Affected Sources

- 890 [40 CFR 75.10(a)(2)] To determine NOX emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a NOX-diluent continuous emission monitoring system (consisting of a NOX pollutant concentration monitor and an O2 or CO2 diluent gas monitor) with an automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O2 or CO2 concentration (in percent O2 or CO2), and NOX emission rate (in lb/mmBtu) discharged to the atmosphere, except as provided in 40 CFR 75.12 and 75.17 and subpart E of 40 CFR 75. The owner or operator shall account for total NOX emissions, both NO and NO₂, either by monitoring for both NO and NO₂ or by monitoring for NO only and adjusting the emissions data to account for NO₂. [40 CFR 75.10(a)(2)]
- Determine CO2 emissions by using one of the options in 40 CFR 75.10(a)(3)(i), (ii), or (iii), except as provided in 40 CFR 75.13 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(3)]
- Install, certify, operate, and maintain a continuous opacity monitoring system with the automated data acquisition and handling system for measuring and recording the opacity of emissions (in percent opacity) discharged to the atmosphere, except as provided in 40 CFR 75.14 and 75.18. [40 CFR 75.10(a)(4)]
- The owner or operator shall ensure that each continuous emission monitoring system meets the equipment, installation, and performance specifications in appendix A to 40 CFR 75; and is maintained according to the quality assurance and quality control procedures in appendix B to 40 CFR 75; and shall record SO₂ and NOX emissions in the appropriate units of measurement (i.e., lb/hr for SO₂ and lb/MM Btu for NOX). [40 CFR 75.10(b)]
- The owner or operator shall determine and record the heat input rate, in units of MM Btu/hr, to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in appendix F to 40 CFR 75. [40 CFR 75.10(c)]
- The owner or operator shall ensure that all continuous emission and opacity monitoring systems are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and appendix B of 40 CFR 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall also ensure, subject to the aforementioned exceptions, that all continuous opacity monitoring systems are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal or State regulation, or permit. The owner or operator shall ensure that the requirements of 40 CFR 75.10(d)(1), (2), and (3), as applicable, are met. [40 CFR 75.10(d)]
- The owner or operator shall ensure that each continuous emission monitoring system is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of appendix A to 40 CFR 75. [40 CFR 75.10(f)]
- The owner or operator shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in subparts F and G of 40 CFR 75. (40 CFR 75.53(c), 75.54, 75.55, & 75.56 applicable prior to April 1, 2000.). [40 CFR 75.10(g)]
- Each continuous opacity monitoring system shall meet the design, installation, equipment, and performance specifications in Performance Specification 1 in appendix B to 40 CFR 60. [40 CFR 75.14(a)]
- Comply with the applicable provisions of Subpart C-Operation and Maintenance Requirements, Subpart D-Missing Data Substitution Procedures, Subpart F-Recordkeeping Requirements, and Subpart G-Reporting Requirements.
- Excess emissions of NOX under 40 CFR 77.6 shall be calculated in accordance with 40 CFR 76.13.
- 896 [40 CFR 75.10(f)]
- 897 [40 CFR 75.14(a)]
- 898 [40 CFR 75.75.]
- 899 [40 CFR 76.13]
- 900 [40 CFR 76.13]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

GRP 0006 Acid Rain - Acid Rain Affected Sources

901 [40 CFR 76.5(b)]

902 [40 CFR 76.7(a)(2)]

903 [40 CFR 76.7(b)]

904 [40 CFR 76.9(a)]

905 [40 CFR 76.9(d)]

906 [40 CFR 76.]

907 [LAC 33:III.505]

908 [LAC 33:III.505]

909 [LAC 33:III.505]

910 [LAC 33:III.505]

911 [LAC 33:III.505]

The following applies to EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3:
 Determine the annual average NOX emission rate, in lb/MM Btu, using the methods and procedures specified in 40 CFR 75. [40 CFR 76.5(b)]

The following applies to EQT021, 15-01 - Boiler No. 4(2B4):
 Do not discharge, or allow to be discharged, emissions of NOX to the atmosphere in excess of 0.46 lb/MM Btu of heat input on an average annual basis. NOX limit of 0.07 lb/MM Btu determined as BACT in PSD-LA-677 is more stringent. [40 CFR 76.7(a)(2)]

The following applies to EQT021, 15-01 - Boiler No. 4(2B4):
 Determine the annual average NOX emission rate, in lb/MM Btu, using the methods and procedures specified in 40 CFR 75. [40 CFR 76.7(b)]

The designated representative shall submit, by the applicable deadline under 40 CFR 76.9(b), a complete Acid Rain permit application (or, if the unit is covered by an Acid Rain permit, a complete permit revision) that includes a complete compliance plan for NOX emissions covering the unit. [40 CFR 76.9(a)]

The designated representative shall submit a complete Acid Rain permit application, including a complete compliance plan for NOX emissions covering the unit, in accordance with the deadlines in 40 CFR 72.30(c). [40 CFR 76.9(d)]

The following applies to EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3:
 Pursuant to 40 CFR 76.8(d)(2), the State of Louisiana has approved a NOX early election plan for this unit. This NOX compliance plan is effective through 2007. Under the plan, this unit's annual average NOX emissions rate for each year, determined in accordance with 40 CFR part 75, shall not exceed the applicable emission limitation under 40 CFR 76.5(a)(2) of 0.50 lb/MM Btu for dry bottom wall-fired units. If the unit is in compliance with its applicable NOX emission limitation for each year of the plan, then the unit shall not be subject to the applicable emission limitation under 40 CFR 76.7(a)(2) of 0.46 lb/MM Btu until January 1, 2008.

The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(1)]

Comply with the monitoring requirements as provided in 40 CFR 75. [LAC 33:III.505, 40 CFR 72.9(b)]

Comply with the applicable Acid Rain emissions limitation for nitrogen oxides. [LAC 33:III.505, 40 CFR 72.9(d)]

Keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority.

- 1.) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.
 - 2.) All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
 - 3.) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.
 - 4.) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [LAC 33:III.505, 40 CFR 72.9(f)(1)]
- [LAC 33:III.505, 40 CFR 72.9(f)(1)]
- The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 and Subpart I of 40 CFR 72. [LAC 33:III.505, 40 CFR 72.9(f)(2)]

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
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GRP 0006 Acid Rain - Acid Rain Affected Sources

- 912 [LAC 33:III.505] Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit. [LAC 33:III.505, 40 CFR 72.9(a)(2)]
 The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a complete reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [LAC 33:III.505, 40 CFR 72.9(a)(1)]
- 913 [LAC 33:III.505] The owners and operators of an affected source that has excess emissions in any calendar year shall pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [LAC 33:III.505, 40 CFR 72.9(e)(2)]
 The owners and operators shall hold allowances, as of the allowance transfer deadline, in the source's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the source and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [LAC 33:III.505, 40 CFR 72.9(c)(1)]

- 914 [LAC 33:III.505] An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1), prior to the calendar year for which the allowance was allocated. [LAC 33:III.505, 40 CFR 72.9(c)(5)]
- 915 [LAC 33:III.505]
- 916 [LAC 33:III.505]

GRP 0007 NOX Cap - 2B1, 2B2, & 2B3 - Boiler NOX Emission Cap

Group Member: EQT 0027EQT 0028EQT 0029

- 917 [LAC 33:III.501.C.6] Permittee shall use a Continuous Emission Monitoring System (CEMS) to monitor NOX emissions continuously from EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3.
- 918 [LAC 33:III.501.C.6] Nitrogen dioxide <= 17715.30 tons/yr for EQT027, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3.
 Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the combined NOX emissions for EQT027, EQT028, & EQT029, exceeds the maximum listed in this specific condition for any twelve consecutive month period.
- 919 [LAC 33:III.501.C.6] Which Months: All Year - Statistical Basis: None specified
 Submit report: Due annually, by the 31st of March. Report the combined NOX emissions for EQT027, EQT028, & EQT029 for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
- 920 [LAC 33:III.501.C.6] Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total NOX emissions for EQT027, EQT028, & EQT029 each month, as well as the total the combined NOX emissions for EQT027, EQT028, & EQT029 for the last twelve months. Make records available for inspection by DEQ personnel.

SCN 0001 15-01 Cold - Boiler No. 4 Cold Start/Shutdown

Group Member: EQT 0021

SPECIFIC REQUIREMENTS

AI ID: 38867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
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SCN 0001 15-01 Cold - Boiler No. 4 Cold Start/Shutdown

921 [LAC 33:III.501.C.6] Submit report: Due annually, by the 31st of March. Report the number of startup/shutdowns for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
 Equipment/operational data monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data: <= 12 cold startup/shutdowns per year. The duration for a normal cold startup is approximately 30 hours.
 Compliance with this limitation shall commence upon the first Commercial Operating Date (COD) or the end of the shutdown period of the boiler. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total number of startup/shutdowns exceeds the maximum listed in this specific condition for any twelve consecutive month period.

924 [LAC 33:III.501.C.6] Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total number of startup/shutdowns each month, as well as the total number of startup/shutdowns for the last twelve months. Make records available for inspection by DEQ personnel.
 Determined to be BACT in PSD-LA-677(M-1).
 Maximum Allowable Emission Rates:
 PM/ PM10: 98.49 lb/hr; Use low ash fuels and good combustion practices.
 SO2: 984.9 lb/hr; Use low sulfur fuel oil and activate the Wet FGD system once coal is added during startup.
 NOX: 1,447.8 lb/hr; Use the combustion controls in place and best operation practices. Activate the SCR once the appropriate parameters are reached during startup.
 CO: 1,313.2 lb/hr; Use good combustion practices.
 VOC: 33.49 lb/hr; Use appropriate combustion control techniques.

SCN 0002 15-01 Hot - Boiler No. 4 Hot Start/Shutdown

Group Members: EQT 0021

926 [LAC 33:III.501.C.6] Equipment/operational data monitored by technically sound method continuously.
 Which Months: All Year Statistical Basis: None specified
 Equipment/operational data: <= 12 hot startup/shutdowns per year. The duration for a normal hot startup is approximately 8 hours. Compliance with this limitation shall commence upon the first Commercial Operating Date (COD) or the end of the shutdown period of the boiler. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total number of startup/shutdowns exceeds the maximum listed in this specific condition for any twelve consecutive month period.
 Submit report: Due annually, by the 31st of March. Report the number of startup/shutdowns for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.
 Equipment/operational data recordkeeping by electronic or hard copy monthly. Keep records of the total number of startup/shutdowns each month, as well as the total number of startup/shutdowns for the last twelve months. Make records available for inspection by DEQ personnel.

SPECIFIC REQUIREMENTS

AI ID: 388867 - Louisiana Generating LLC - Big Cajun II Power Plant
 Activity Number: PER20060002
 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

SCN 0002 15-01 Hot - Boiler No. 4 Hot Start/Shutdown

- 930 [LAC 33:III.509] Determined to be BACT in PSD-LA-677(M-1):
 Maximum Allowable Emission Rates:
 PM/ PM10: 83.0 lb/hr; Use low ash fuels and good combustion practices.
 SO2: 829.8 lb/hr; Use low sulfur fuel oil and activate the Wet FGD system once coal is added during startup.
 NOX: 1,130.2 lb/hr; Use the combustion controls in place and best operation practices. Activate the SCR once the appropriate parameters are reached during startup.
 CO: 1,106.4 lb/hr; Use good combustion practices.
 VOC: 21.4 lb/hr; Use appropriate combustion control techniques.

UNF 0001 BC2 - Big Cajun 2

- 931 [40 CFR 60.] All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
 932 [40 CFR 61.145(b)(1)] Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies.
 Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. Subpart M. [40 CFR 61.145(b)(1)]
 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M.
 All affected facilities shall comply with all applicable provisions in 40 CFR 61 Subpart A.
 All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A.
 934 [40 CFR 61.] Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
 935 [40 CFR 63.] Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(ii)(A)]
 936 [40 CFR 70.5(a)(1)(iii)]
 937 [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
 938 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
 939 [40 CFR 70.6(c)(5)(iv)] Louisiana Generating's Big Cajun II Power Plant shall secure one allowance for each ton of SO2 emitted per year. At the end of the year, each used allowance is retired and cannot be used again. EPA will record allowance transfers that are used for compliance and ensure that Big Cajun II Power Plant's emissions do not exceed the number of allowances it holds via the Allowance Tracking System (ATS). See Subparts C & D of part 73.

SPECIFIC REQUIREMENTS

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UNF 0001 BC2 - Big Cajun 2

- 941 [40 CFR 82.Subpart F] Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVCAs) in Subpart B.
- 942 [40 CFR 97.4] Permittee shall comply with LAC 33:III.506 Clean Air Interstate Rule (CAIR) requirements and all the provisions of the CAIR NOx Federal Implementation Plan (FIP) 40 CFR Part 97, Subparts AA-HH, except for 40 CFR 97.141 and 97.142. [40 CFR 97.4, LAC 33:III.506.A]
- 943 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.
- 944 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 945 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 946 [LAC 33:III.219] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 947 [LAC 33:III.2201.D.9] Do not fire an affected point source with Number 6 Fuel Oil or perform testing of emergency and training combustion units without prior approval of DEQ on a day that is designated as an Ozone Action Day by DEQ.
- 948 [LAC 33:III.2201.E.1.a] Establish an emission factor for each applicable affected point source such that if each affected point sources was operated at its averaging capacity, the cumulative emission factor in Pounds NOx/MMBtu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E. a to calculate the cumulative emission rate and the facility-wide emission factor.
- 949 [LAC 33:III.2201.E.1.d] Include in the submitted plan a description of the actions that will be taken if any under-controlled unit is operated at more than 10 percent above its averaging capacity.
- 950 [LAC 33:III.2201.E.1.i] Equipment/operational data recordkeeping by electronic or hard copy continuously. Carry out recordkeeping that includes, but is not limited to, a record of the data on which the determination of each point source's hourly, daily, or 30-day, as appropriate, compliance with the facility-wide averaging plan is based.
- 951 [LAC 33:III.2201.E.1] Comply with the facility-wide averaging plan as approved by DEQ.
- 952 [LAC 33:III.2201.G.1] Emissions testing to demonstrate initial compliance with the NOx emission factors of LAC 33:III.2201.D, or with emission limits that are part of an alternative plan under LAC 33:III.2:01.E, for affected point sources operating with a CEMS or PEMS that has been certified in accordance with LAC 33:III.2201.H is not required. The certification of the CEMS or PEMS shall be considered demonstration of initial compliance.
- 953 [LAC 33:III.2201.I.5] Testing for initial compliance is not required for an existing CEMS or PEMS that meets the requirements of LAC 33:III.2201.H.
- Submit report: Due annually, by the 1st of July. Submit ammonia emissions resulting from the operation of a NOx control equipment system in accordance with LAC 33:III.5107.A. Submit the ammonia report if the Unit 4 Project becomes operational.

SPECIFIC REQUIREMENTS

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 Permit Number: 2260-00012-V1
 Air - Title V Regular Permit Major Mod

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954 [LAC 33:III.506]

In order to achieve the NOX reductions required within the State of Louisiana by EPA's CAIR rule (Rule to Reduce Interstate Transport of Fine Particle Matter and Ozone (Clean Air Interstate Rule), 70 FR 25162-25405, May 12, 2005), the permittee shall install additional controls on one of the existing boilers: EQT02/7, 2B1 - Boiler No. 1; EQT028, 2B2 - Boiler No. 2; & EQT029, 2B3 - Boiler No. 3, in accordance with and subject to the final implementation of CAIR. These controls must be installed and operational within a reasonable time, not to exceed 12 months, after commencement of operations of EQT021, 15-01 - Boiler No. 4(2B4), based on design, engineering, procurement, and scheduled outages. This condition is non-binding if EQT021, 15-01 - Boiler No. 4(2B4), is not constructed.

955 [LAC 33:III.507.G]

Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years. Comply with the requirements of PSD-LA-677(M-1). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-677(M-1).

956 [LAC 33:III.509]

Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109.B.

957 [LAC 33:III.5105.A.1]

Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.

958 [LAC 33:III.5105.A.2]

Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.

959 [LAC 33:III.5105.A.3]

Submit Annual Emissions Report (TEDI): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.

960 [LAC 33:III.5105.A.4]

Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).

961 [LAC 33:III.5107.A.2]

Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33:III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33.1.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33.1.3923.

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UNF 0001 BC2 - Big Cajun 2	
965 [LAC 33:III.5107.B.3]	Submit notification: Due to SPOC, except as provided in LAC 33:III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931. Submit notification in the manner provided in LAC 33:III.3923.
966 [LAC 33:III.5107.B.4]	Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through B.3. Include the information specified in LAC 33:III.5107.B.4.a.i through B.4.a.viii.
967 [LAC 33:III.5107.B.5]	Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
968 [LAC 33:III.5113.A.1]	Submit notification in writing: Due to SPOC not more than 60 days prior to initial start-up. Submit the anticipated date of the initial start-up.
969 [LAC 33:III.5113.A.2]	Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.
970 [LAC 33:III.5151.F.1.f]	An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity.
971 [LAC 33:III.5335]	Permittee shall comply with the Part 70 General Conditions as set forth in LAC 33:III.5335 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
972 [LAC 33:III.5609.A.1.b]	Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
973 [LAC 33:III.5609.A.2.b]	Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
974 [LAC 33:III.5609.A.3.b]	Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
975 [LAC 33:III.5609.A]	Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
976 [LAC 33:III.5901.A]	Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division.
977 [LAC 33:III.5907]	Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate.
978 [LAC 33:III.5911.A]	
979 [LAC 33:III.5911.C]	

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980 [LAC 33:III.919.D]

Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. Control sources of Class I and II TAP for which facility-wide emissions are above the minimum emission rate to MACT standards. Impact of TAP shall be below the Ambient Air Standards. Submit TEDI for the preceding calendar year's emissions by the date stated in LAC 33:III.5107.A.2. Submit discharge reports as required.

Electric utility steam-generating units (boilers) are currently exempt from the requirements of Subchapter A of LAC 33:III. Chapter 51 per LAC 33:III.5105.B.2.

Non-boiler sources of barium emissions require MACT. Additionally, ammonia emissions from the SCR system on Unit 4 and storage tanks, and chlorine emissions from the cooling towers will be regulated under Chapter 51. Aforementioned sources will not become subject to Chapter 51 if Unit 4 is not constructed.